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ABSTRACT

With grants from the Council on Library Resources (CLR) and the Association of Research Libraries (ARL), New York University (NYU) Libraries conducted a study to assess user reactions to their online catalog, Bobcat (Bobst Library Computerized Catalog). In order to evaluate the effectiveness of NYU's catalog, to describe users' attitudes toward the system, and to assess users' stated levels of satisfaction relative to success, a three-part study was implemented: (1) the CLR Study attempted to assess the attitudes and perceptions of both users and non-users; (2) the NYU Study examined the search patterns and attitudes of both computer and card catalog users; and (3) the Interview Study attempted to describe the search process and identify problem areas for both computer and card catalog users. The library conducted 1,166 user surveys and 497 nonuser surveys at various sites from December 1983 through May 1984. This report begins with a review of previous public catalog research and then presents the four hypotheses developed and tested in this study. A detailed discussion of the research procedure includes sections on the survey instruments, data collection, the survey sample (library users and study sample), and data analysis. Commentary and statistical results from each of the studies follows. Appended materials, which constitute the major portion of the report, include a profile of the online catalog, the survey instruments, maps showing catalog locations and a description of the NYU libraries, and extensive analyses of the data for the CLR and NYU studies. (THC)

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A STUDY OF USER SUCCESS WITH AN ONLINE CATALOG

FINAL REPORT

TO THE COUNCIL ON LIBRARY RESOURCES

GRANT: CLR 2065
February 1, 1984 - August 31, 1984

New York University Libraries

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December, 1984

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TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

ABSTRACT

No matter what their expectations, most patrons appear enthusiastic about New York University Libraries' Online Catalog, Bobcat. But, in order to keep improving the system, the reasons for the catalog's popularity must be clearly defined. Criticism must also be used to make improvements. To study user reactions, the Library sought funding from two sources. The Council on Library Resources awarded Bobst a grant of $15,736, and the Association of Research Libraries awarded it a $4,000 grant as part of a larger program funded by the General Electric Corporation. The objective of the study was to determine whether users' enthusiasm for online catalogs reflects the success of their queries or simply fascination with the new medium.

To assess successful use of Bobcat relative to stated levels of satisfaction, the Library conducted 1166 user surveys and 497 nonuser surveys at various sites from December 1983 through May 1984. Both patrons who used Bobcat and those who used the card catalog were selected to fill out survey forms which took approximately fifteen minutes to complete. These surveys produced a number of significant findings about success and preferences.

In one part of the study, 93 percent of the users reported that they viewed Bobcat favorably. Seventy-eight percent stated that they were satisfied with what they found in relation to what they sought. While only 36 percent found all or more than they sought, 46 percent found most of what they sought, and 82 percent found at least some of what they sought. Responding to questions about how they learned to use the catalog, 64 percent of those who completed surveys reported that they learned from instructions on the catalog screen. This departs from findings at 7 other ARL libraries that participated in a nationwide online catalog study in 1982.

Among non-users of Bobcat, 35 percent reported that they felt it was easy to learn to use the online catalog, and 75 percent thought they were likely to use it in the future. The most disturbing finding in this part of the study was the reason that 43 percent of the non-users gave for not using Bobcat. They said they had no need to use a library catalog of any kind. Most encouraging was the finding that non-Bobcat-users are a minority. Interviewers had to screen 1700 patrons entering the building to identify 497 qualified to fill out non-user questionnaires.

Bobcat (and for that matter card catalog) users, however, were not always successful in their searches. Although over 80% indicated they found something, less than 40% found everything they were looking for. Individuals who were not satisfied with the computer catalog tended to find less than they were searching for. The converse was not found. Those who were satisfied did not appear to relate their attitude to the successfulness of the search.

It is unclear why respondents were satisfied despite conducting somewhat or entirely unsuccessful searches. Bobcat is an innovation for the library, and subjects may find it difficult to evaluate it unfavorably. Library users may favor the new technology regardless of its accuracy and/or utility. Concurrent with this are reports of a fascination with the online catalog which is expressed in language such as "It's fun," "I enjoy it," "I can't live without it..." This, combined with loyalty and commitment to using the computer catalog even after numerous unsuccessful searches, extended from undergraduates who adopted a Bobcat as the mascot for the basketball team, to senior researchers who recognized its limitations but nonetheless used it heavily.

The fact that users were highly enthusiastic about the online technology confirmed the initial impetus of this research: to test whether Marshall

McLuhan's provocative assertion, "the medium is the message," might be operating at libraries with computerized catalogs. McLuhan writes:

> In a culture like ours, long accustomed to splitting and dividing all things as a means of control, it is sometimes a bit of a shock to be reminded that, in operational and practical fact, the medium is the message. This is merely to say that the personal and social consequence of any medium...result from the new scale that is introduced into our affairs by each extension of ourselves, or by any new technology... (McLuhan, 1964, 23).

If McLuhan is correct, then the efficiency attributed to Bobcat and the enthusiasm it elicits might in part result from the new scale that is introduced into the research process by the medium of the online catalog. Perceptions that the system was faster than the card catalog and that it yielded more items were, in fact, reported by many of the Bobcat interviewees.

Whether these social psychological assessments will continue to be associated with Bobcat is a question for further research. Certainly, if the literature on the diffusion of innovations is consulted, a projection could be made that with time, assessments regarding specific information sought and anticipated yields should become more realistic and normative.

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I. INTRODUCTION

In 1978, librarians at New York University (NYU) initiated plans for an online catalog. With the help of consultants from all over the country, they designed the specifications for a system that would satisfy their users' needs and, at the same time, serve the needs of other libraries desiring to replicate New York University's system. To develop the software and to provide the hardware for the system, they contracted with Geac, the vendor whose circulation system New York University had purchased. It was agreed that Geac would retain the rights to the system and market it to other libraries. Integral to this implementation of online technology was a concern for users' success and a commitment to a system that was user friendly.

In June 1983, New York University installed its online library catalog, calling it Bobcat for Bobst Library Computerized Catalog. The data base now includes 370,000 titles representing about one third of the Bobst Library holdings and comprising all titles processed and/or circulated since 1974. The mini-computer based system has search capabilities by author, title, author and title combined, subject, keyword, call number, international standard book/serial number, and Library of Congress card number. There are 100 public terminals available in several of New York University's libraries. (A detailed description of system capability is included in Appendix A.)

Since New York University began developing specifications for its online catalog in 1981, the world of online catalog development has expanded rapidly. Several libraries throughout the country have implemented similar systems followed by a series of research projects to evaluate the use and effectiveness of online catalogs. The Council on Library Resources (CLR) has led the way in this by funding a series of studies that document the current state of online catalog use. In accordance with this, Bobst Library received funds to conduct an evaluation of the effectiveness of the system from both the viewpoint of user satisfaction and of actual effectiveness or success in a search.

II. PUBLIC CATALOG RESEARCH

Montagne (1967) surveyed card catalog use studies between 1949 and 1965 and found that over 100 had been conducted. Krikelas (1972) reviewed 50 to 60 studies that examined catalog use but did not include those that compared a bibliography against a library's card catalog. Hafter (1979) in a review of card catalog research emphasized that most early studies (pre-online catalogs) were concerned with evaluating catalog use at a particular site, the type of entries most used, the merits of different catalog arrangements and the value of the different types of bibliographic information available in the catalog. Generally speaking, the goal of most of these studies was to enhance the card catalog and to assess user performance. Unfortunately, much of this early research was handicapped by poor methodology which limited the usefulness of results for future planning. One exception to the site-specific orientation of most studies was one done in 1958 by the American Library Association that compared catalog use in 39 libraries (1958, cited in Hafter).

As alternatives to the card catalog were considered in the late 1960's and 1970's, a new direction in catalog research emerged and issues of methodology began to take a more prominent role. The purpose of these more recent studies, in part, was to design search strategy algorithms for computerization.

Studies, such as the one by Lipetz at the Yale University Library (1970), began to document user requirements and performance using random sampling techniques. Lipetz surveyed users at the beginning of a search and then at the completion. His study report included a discussion of environmental considerations, including the tendency of respondents to use the card catalog when they first enter the library. Types of searches were categorized and users' estimates of success were analyzed. For the purposes of the NYU study design, Lipetz's research design and his results were examined.

The finding that Yale users undertook 73% known item, 16% subject, 6% author and 5% bibliographic searches became a standard against which other library populations were compared. Also, Lipetz determined that 84% of the document searches were successful and that this rate was fairly consistent among all types of users and different levels of education. Of those searches that resulted in failure, more than half were attributed to no record being present in the file rather than poor search strategy.

Two other card catalog studies served as useful precedents for New York University. Palmer (1972) at the University of Michigan surveyed users in 1967 regarding the type of search that they conducted and levels of success. Most searches (approximately 70% of 5,067 survey units) were known item searches with a reported success rate of 84%. The second study, conducted by Tagliacozzo and Kochen (1970) at Michigan, was a large survey of search behavior patterns. Catalog users were interviewed before and during their searches. This enabled researchers to assess what the user did in the event of a failure to retrieve the desired information as well as to document types of searches and search strategies. The authors treated issues such as perseverance on the part of the searcher and the complexity of assessing the effectiveness of subject searches. Lancaster (1977) in reviewing this study cited the following quote which illustrates the difficulties involved in studies of success:

> Success or failure of the search results from the interplay of two basically distinct sets of variables. The first set, which is related to the matching of the user's query term to a catalog entry, may include such things as the skill and resourcefulness of the user, his persistence, his familiarity with catalog rules; it may also include the availability of subject headings relevant to the topic of his query and the availability of cross-references connecting related subject headings in the area of the search. The second set of variables has to do with the user's acceptance of the retrieved material and therefore concerns the user's expectations and attitudes, his satisfaction with the retrieved information, his knowledge of the topic and his ability to discriminate between what is relevant and what is not (cited Lancaster, 1977, 36).

Hafter (1979) summarizes, in a review article, a major problem in the design of catalog studies:

> In all fairness to the catalog researchers, it must be acknowledged that defining what people do at the catalog and what constitutes success is not easy. Perhaps even more important are the difficulties associated with reaching appropriate sample size, the construction of the sampling frame, the data gathering procedure, and the techniques of analysis....These problems appear to cause even more trouble for catalog use studies than for most information gathering surveys (Hafter, 1979, 203).

In 1981, a series of studies addressing user reactions to online catalogs began to appear. Moore (1981) reported on the positive reception of online catalogs at four Canadian libraries including the University of Toronto. Her results corroborated Lancaster's (1977) discussion on catalog research, which pointed out that items not found in a user's initial search attempt were generally never retrieved. Still, users continue to evaluate the online catalog favorably. Moore commented:

> Perhaps the most important conclusions to be drawn from users' written responses as well as observed reactions was that all four online systems, rough, incomplete and imperfect as they were, were welcomed overwhelmingly by most library users. Moreover, users felt the online catalog was a tremendous improvement in convenience. In the words of one user, the online system is "the best way I know to find a book easily" (Moore, 1981, 301-3).

Gouke and Pease (1982) pioneered research on the reception and use of the Ohio State University online catalog. In their first study they compared patron success in finding the same titles in both the online and public card catalogs at two departmental libraries. Their strategy was to select titles that were listed in both the online and card catalogs and then randomly to choose users to search for the titles. A comparison of users' success with the findings of a librarian showed that patrons were more successful with the card than the online catalog. Though the results were more favorable to the card catalog, one patron commented, "I know that I do better in the card catalog...but I still prefer the online" (Pease and Gouke, 1982, 143). Using the same methodology, these researchers (1982b) re-analyzed their data. In addition, they examined patrons recording their own searches at both catalogs. As in their earlier study, Pease and Gouke found that most patrons using the online catalog preferred it, although success depended on a well defined search object and skill at using the catalog.

In 1981 the Council on Library Resources funded the largest inquiry to date on users' assessments of online catalogs. Five organizations -- the Research Libraries Group, the Library of Congress, J.R. Matthews and Associates, Inc., the Online Computer Library Center (OCLC) and the University of California -- collaborated to produce and analyze a questionnaire that assessed user attitudes toward online catalogs. Questionnaires, one for online users and another for non-users (library patrons who had never used the online catalog), were developed for use at 29 libraries which agreed to participate in the study.

The goals of the questionnaire survey were:

1. to produce data for analysis that would enable designers of public online catalogs to improve online catalog system interface features. The system interface includes commands, displays, indexes, and similar software and hardware related features;

2. to gather data and prepare an analysis that would enable libraries to improve the implementation and support services for public access online catalogs; and

3. to collect additional data that would enable libraries to extend public access online catalog services to patrons who were not yet users (Matthews, Lawrence, Ferguson, 1983, 5-6).

Responses were collected in the following four areas:

1. questions and purposes users bring to the computer catalog.

2. problems with the system interface and the organization interface;

3. preferences for improving the databases system features and organization features; and

4. demographic characteristics of users (ibid., 6).

The results of this study showed that 80% of users of online catalogs reported relatively high levels of satisfaction with the new technology and that 84% found at least some of what they were looking for. Many of the libraries included in the study had systems that were not yet fully developed. This led researchers at New York University to question the meaning of such high levels of satisfaction when using the catalog.

These findings, combined with the high levels of enthusiasm showed by Bobcat users, led the New York University Library to apply for funds to conduct an evaluation of its online catalog system. By using the questionnaires developed for the 29 library CLR Study, New York University users' attitudes could be compared with other library users. Funds from the Association of Research Libraries were received to replicate the CLR Study at the main New York University library.

Since user success, defined as finding the item sought, is a priority in service delivery, the New York University Library developed a proposal for a study which would go deeper into success-related issues than the CLR questionnaires allowed. Part of this inquiry involved examining the relationships between users' assessments of satisfaction with the catalog used and both actual success (finding the item) and perceived success (attitude). In fact, one of the compelling reasons for conducting a study at this point was that the data would provide an assessment of how much users were getting from the system. The enthusiasm demonstrated by so many of the users was of some concern to the Library, since during 1984 the full capacity of the system had not been developed. Several key components were lacking that were present in the card catalog: only one-third of the records were included, there was no authority control and there was no subject cross-referencing. Funds were received from the Council on Library Resources to carry out this study.

The intent of this study was to build on the catalog research of Gouke and Pease. Instead of giving the user a title to retrieve, the New York University study was designed to track users through the search being conducted. By focusing the study on an actual search, success was assessed both from the users' viewpoint and through replication by a trained librarian. The latter step provided the Library with information regarding whether the item sought was in the collection and which catalog (card and/or online) contained it.

To accomplish the goals of the CLR funded study, a team was assembled. This included the Director of Public and Administrative Services, a sociologist who acted as research director, and two graduate assistants, one of whom had an expertise in statistics, the other in project administration. This team was supplemented by staff librarians who volunteered to assist with data collection. Since a primary concern in the grant proposal was to insure the methodological soundness of the study design, an Advisory Board of four faculty members was convened. Included in this group were: an economist, a sociologist, an environmental psychologist and a public policy analyst. During the first two months of the study, the Advisory Board worked closely with the study team to develop the research design and questionnaires. The CLR replication study and the NYU study of user success and satisfaction were administered simultaneously, which allowed maximum use of staff and expertise as well as the collection of a variety of data for later comparison.

III. HYPOTHESES

In order to study the relationships between the satisfaction levels that have been associated with the implementation of the online catalog and actual user success with the system, the following hypotheses were developed:

HYPOTHESES 1A: The reception of the online catalog technology at New York University was similar to that detailed in the CLR Study of 7 ARL libraries.

HYPOTHESES 1B: Non-users of the online catalog (i.e. those who have never had an opportunity to or have chosen not to use the online catalog), held a similar view regarding the online technology to respondents in the 7 ARL library study.

HYPOTHESES 2A: The evaluation of the online catalog was favorable among users regardless of the success of their searches.

HYPOTHESES 2B: Non-users evaluated the online catalog favorably despite their never having used it.

IV. RESEARCH PROCEDURE

In an attempt to evaluate the effectiveness of New York University's online catalog (Bobcat), to describe users' attitudes toward the system, and to assess users' stated levels of satisfaction relative to success, a three-part study was implemented. Part I, the "CLR Study," was funded by the Association of Research Libraries and Part II, the "NYU Study," was funded by the Council on Library Resources. Both were carried out during the 1983-84 academic year. Part III, the "Interview Study," also funded by CLR, was conducted during the Summer 1984. Each component of this larger study used different but complementary measurement instruments and attempted to address different aspects of the research questions.

1) CLR Study: The CLR (Council of Library Resources) study attempted to assess the attitudes and perceptions concerning the online catalog of both users and non-users of the system. A non-user was defined as any person who had never used the computer catalog at New York University.

2) NYU Study: The NYU Study tried to examine the search patterns and attitudes of both computer and card catalog users. Additionally, the successfulness of the respondents' inquiry was assessed through a replication of the search, using information provided on the questionnaire. The study was conducted in both the computer and the card catalog to allow for comparability across types of catalog. Two factors were critical to this decision: the incomplete state of the computer catalog, and the pattern found in earlier studies that there is a drop-out population of dissatisfied computer catalog users.

3) Interview Study: The Interview Study attempted to describe the search process and identify problem areas for both computer and card catalog users. The respondent's attitudes toward the catalog searched and the library in general were also examined. This study was considered a pilot due to the complexity of the objectives, asymmetry with the other instruments, and time constraints which limited its testing prior to use.

A. INSTRUMENTS

Each of the three components of the NYU study employed a different assessment tool. Within each phase, two or more versions of each form were utilized. Data collection instruments are included in Appendix B.

1) CLR Study: The CLR study used both the User and Non-user Council of Library Resources Computer Catalog Study Questionnaires. Developed in 1981, these forms have been used in studies of online catalogs at over 29 library systems across the country. For further details concerning the history and construction of these questionnaires, see Ferguson (1982).

a) User Questionnaire: The 59-item User Questionnaire is divided into 4 sections. It requests: 1)information about the respondent's computer catalog search and an assessment of his or her success; 2) opinions concerning specific features of the computer catalog; 3) ways of changing or improving the system; and 4) demographic information concerning both the individual and his or her usage of the library facilities. Five supplemental questions were added to most of the forms. These specifically asked what constituted a successful search and whether an online catalog is preferable to a card catalog. (Copies of supplemental questions are in Appendix B.)

b) Non-User Questionnaire: The 15-item non-user questionnaire (Appendix B) attempts to assess why the respondent has never used the computer catalog. In addition it requests the same demographic information as the user questionnaire. Four supplemental questions, added to most of the forms, attempted to elaborate upon these issues and asked for a definition of a successful search.

2) NYU Study: The NYU Study included both a computer catalog and a card catalog questionnaire. These were developed by Herbert Menzel, a New York University sociologist and a member of the project's advisory board, in cooperation with the research team. The questionnaires examined type and strategy of search relative to the CLR indicators of success and satisfaction. Both the Bobcat and card catalog questionnaires were divided into two sections.

Part I of the NYU Study questionnaire requested procedural and outcome information about a single search. It utilized a skip pattern to track the user's search (i.e. the respondent was instructed to "skip" questions depending upon the answer to a previous item). This procedure allowed each questionnaire to address issues specific to certain types of searches without requiring respondents to answer questions irrelevant to the search conducted.

To obtain equal numbers of author, subject and title searches a screening procedure was established, based upon the distribution of searches as reflected in the first phase of the CLR study. The screening system prioritized the types of search the respondent was instructed to track when a multiple search had been conducted. In all other cases, a single search was examined regardless of type.

Part 2 of the special study questionnaire was adapted from parts I and IV (questions concerning attitudes toward the search just completed and demographic information) of the CLR instrument and it also included the supplemental questions.

Both the Bobcat and card catalog NYU study questionnaires requested the same information. Where necessary, however, specific wording was modified to orient the respondent toward the catalog being searched. In addition, 17 questions were added to the card catalog questionnaire to help assess opinions about specific features of this catalog. These were adapted from the Likert-type opinion questions on the CLR user form. The NYU questionnaires were tested at NYU's Bobst Library prior to their use in this study. Based upon this pilot phase, it was found that subjects were able to follow the instructions and the skip pattern.

3) Interview: An observation-recording procedure and structured interview were developed by Christina Spellman, the project's Research Director, for use with both computer and card catalog users. These were intended to assess search strategy, user perseverance, user standards of effectiveness, success, and the complexity of the search being conducted. Upon agreement by the subject, the interviewer attempted to observe unobtrusively the search process while recording all steps taken. This was followed by a structured interview, which examined attitudes toward the specific catalog searched and toward the library in general. The demographic information requested was the same as collected in the other phases of the study.

B. DATA COLLECTION

Both the CLR Study and NYU Study were conducted during the 1983-1984 academic year. The interviews were conducted during the following summer session. Among the subjects screened from the sample were library staff and repeaters. Volunteers were permitted to complete a questionnaire but their responses were not included in the final results. Table 1 presents the schedule for data collection.

1) CLR Study: Data were collected for the CLR study during two periods; the first was between December 1983 and February 1984 and the second was between March 1984 and June 1984. As Table 1 indicates, the majority of questionnaires were completed during the second period. The supplemental questions were added during this time. Additionally, a subsample of 24 user and 22 non-user questionnaires were distributed at the Graduate Business School (GBA) Library. Because of the limited sample size, these forms were used for internal library purposes and not included in the frequency tables (appendix D).

It was originally planned that data be collected at the New School for Social Research, a member of the Research Library Association of South Manhattan. This consortium of neighboring libraries uses the New York University catalog and members were scheduled to implement Bobcat during 1984. Due to a slowed installation, however, the New School's catalog was not operational at the time of data collection.

Following guidelines established for the Council on Library Resources Study, time blocks of four hours each were established during which 25 questionnaires were distributed. The time blocks were randomly selected to reflect high, medium and low periods of catalog usage as indicated by the number of questions asked by catalog users during the previous year. These blocks were distributed throughout morning, afternoon, and evening hours on both weekdays and weekends. Questionnaires were distributed by members of the research team and volunteer librarians. At no time were two different types of forms (either user and non-user or CLR and NYU

Study) distributed during the same time block. When periodic interruptions in the computer catalog system occurred, the CLR study rules on suspending data collection for a brief interval were followed. Only one period was cancelled due to the system being down for more than 15 minutes.

a) Administration of the CLR User Questionnaire: Twenty-five time blocks were established for collection of the CLR user data, plus one for collection at the GBA library. The fifteen volunteers who collected data approached every other person leaving a terminal. Those who agreed to participate and met the screening criteria were given a form to complete.

b) Administration of the CLR Nonuser Questionnaire: Seventeen time blocks were established for collection of the nonuser data. During each time block, every other person entering the library was questioned about online catalog use until 25 forms were completed. Those who had never used the New York University computer catalog were then asked to participate by one of the 15 data collectors.

2) NYU Study: The NYU Study data was collected during the Spring 1984 semester by the same 15 data collectors and using the same four-hour time block procedure described above. These time blocks were interspersed among those in Phase 2 of the CLR User Study to avoid subjects' selectively choosing one study in which to participate.

a) Administration of NYU Bobcat Questionnaire: Ten time blocks were established during which 246 questionnaires were collected. The CLR user study data collection procedure and screening criteria for selecting potential subjects were employed.

b) Administration of NYU Card Catalog Questionnaire: Due to low card catalog usage and difficulties in determining when a card catalog search is completed, every person leaving the card catalog was approached. Since users of the card catalog tend to move from one drawer to another, the data collectors approached anyone leaving the catalog area. Those who had used the card catalog and met the screening criteria employed in the CLR user study and NYU Bobcat Study, were asked to participate. Six four-hour time blocks were needed to collect 116 forms.

c) Replication of Search-NYU Data: Once data collection was completed, librarians replicated the searches using the information provided on Part I of the NYU Study forms. A search was considered successful either if the person found the correct call number or if the item was not listed in the catalog searched. A search was considered unsuccessful if the person did not find the item due to search errors (such as misspellings, incorrect points of entry, etc.). The search replication also examined whether an item was listed in the other catalog not used by the subject.

3) Interview Study: Interviews were conducted by members of the research team and 9 volunteer librarians. Each volunteer, trained in using a structured interview, conducted two pilot interviews which were not included in the final analysis. After these were reviewed to determine

competency in using the recording procedures, up to ten additional interviews were conducted.

Library users were approached as they began their search at the card or computer catalog. Since this data was collected during the summer when the library's clientele is different from the academic year, undergraduates were targeted. This was done to approximate the distribution of undergraduates as represented in the NYU Study. In addition, users were screened to eliminate library staff and repeaters from the sample. Due to low library usage during the summer, time blocks were not established. Interviewers were, however, instructed to distribute their data collection throughout different times of the day and week.

a) Administration of Bobcat Interview: Each person who approached the computer terminals and met the screening criteria was asked to participate. The interviewer asked permission to observe the subject's entire search and to ask a few questions afterwards. During the search, the interviewer stood behind the Bobcat user, recording each query and response. This was followed by the structured interview.

b) Administration of Card Catalog Interview: Each subject was approached upon entry into the card catalog area. If the person met the screening criteria and agreed to participate, the search was traced as unobtrusively as possible by the interviewer. As with the Bobcat interview, all aspects of the query were recorded and were followed by a brief interview.

TABLE 1
STUDY FORMAT

Instruments	# Completed
CLR Study	
Phase I - December 83-Feb.84	
User	120
Nonuser	50
Phase II - April 84-May 84	
User-NYU	690
-GBA	22
Nonuser-NYU	423
-GBA	24
NYU Study - April 84-May 84	
Bobcat	218
Card	116
Interview Study - June 84-July 84	
Bobcat	28
Card	24
Both	2

C. SAMPLE

1) Library Users

Patrons of New York University's Elmer Holmes Bobst Library served as the subject pool for this study. In addition to students and faculty, New York University alumni, the community and members of the Research Library Association of Lower Manhattan have access to the library. Although the exact number of catalog searches is unavailable, turnstile records provide an indication of library usage. Table 2 presents monthly data for the periods of data collection. Although this information may not directly reflect catalog usage, it provides a proxy for the universe of New York University library users.

As indicated by the library records, the primary users of the library are students. New York University provides undergraduate, graduate, professional, and continuing education programs. During the Spring 1983-84 term, when the majority of CLR and all of the NYU Study questionnaires were completed, the entire enrollment for all divisions of the University was 44,433. This included

7,83[illegible] professional students (Law, Medical, Dentistry and Business), who have special libraries available to them (Table 3). Thirty eight percent of the total enrollment were part-time students. During the summer semester, when the interviews were conducted, enrollment was lower and the students differed from those attending New York University during the academic year. These differences included numbers of students from other institutions, lower enrollments in different departments and schools, and a higher incidence of metropolitan area users due to referrals from the New York Public Library's major research branch, which was undergoing construction. Nevertheless, considering the time constraints, it was decided that with proper screening this would be a suitable pilot population for developing and testing the interview component.

All data collection occurred on the first floor of the library. Although computer terminals are located throughout the building, the greatest number (16 terminals at the time of data collection) were located on the ground floor. Additionally, the card catalog is located in this same area. Appendix C includes maps of the data collection sites.

TABLE 2
TURNSTILE DATA: NUMBER OF PERSONS ENTERING BOBST LIBRARY DURING DATA COLLECTION

Month	Total # entered Library	# Days Library Open	Average Daily use	Type of data Collected during Month
December 83	148,121	28	5,290	CLR-Phase I
February 84	169,988	29	5,862	CLR-Phase I
March 84	166,193	31	5,361	CLR-Phase II
April 84	198,102	30	6,603	CLR-Phase II Special Study
May 84	149,918	26	5,738	CLR-Phase II Special Study
June 84	71,008	26	2,731	Interview
July 84	82,393	25	3,296	Interview

TABLE 3A
BREAKDOWN OF NEW YORK UNIVERSITY ENROLLMENT

	Spring 83-84	Summer 83
Undergraduates	14,231	3,043
Graduate		
Non-Business	9,761	3,063
Business	4,147	2,429
Professional Schools		
Law	2,262	252
Medicine	702	---
Dentistry	722	---
Continuing Education	12,863*	5,174*
TOTAL	44,296	13,961

* Do not have access to library without purchase of special ID card.

TABLE 3B
1983-84 NYU INSTRUCTIONAL STAFF

School	Full-time	Part-time Fall	Part-time Spring
Business	192	96	90
Dentistry	112	499	502
Foundation	239	376	338
Inst. of Fine Arts	17	17	13
Gallatin	0	45	41
School of the Arts	74	140	126
Courant Institute	35	0	0
Library	43	1	2
Law	85	63	88
Administration	0	3	3
GBA	29	23	26
Social Work	16	98	100
Arts & Sciences	435	274	264
Cont. Education	30	895	449
TOTALS	1037	2530	2042

2) Study Sample

Tables 4, 5, and 6 provide statistics on the number of people approached during the CLR study, NYU study and interview. Excluding those who did not meet the screening criteria, the rate of decline (i.e. the percentage of individuals approached who refused to participate) for all components ranged between 36% and 51%. The number of people approached who had already participated increased as the study progressed. This was particularly noticeable among nonusers. In addition, locating subjects who had "never used Bobcat" was difficult. Over 1600 Bobcat users were approached before 477 nonuser forms were completed.

Data collectors indicated the sex and approximate age of each person who refused to participate. As can be seen, the number of males and the number of females who declined to participate are almost equal in each component. A similar distribution was found for those who actually completed the questionnaires. Registration statistics for the Spring 1984 semester indicate that these findings reflect the breakdown by sex of the student population (47% male, 63% female).

Forms that were extremely incomplete were excluded from the sample. This represented less than 16% in either component of the special study. No forms were eliminated from either the CLR study or interview study. Appendices D, G and I present frequency distributions of individual questions in each component of the study.

TABLE 4
CLR STUDY PARTICIPANTS

	USER	NONUSER
Declined to participate		
Sex		
Male	250	298
Female	240	315
Age Group (estimated)		
15-19 years	96	109
20-34 years	358	299
35-54 years	24	84
55-64 years	7	20
65 + years	--	1
Total Decline:	490	513
Screened not eligible:		
Previously participated in study	93	118
Library Staff	17	81
Volunteer	6	4
Bobcat User (nonuser study only)	--	1709
Total Screened:	116	1908
Number of forms excluded due to gross incompletes:	0	0
Number of completed forms:	713	477
Total number of people approached:	1379	2898

TABLE 5
NYU STUDY PARTICIPANTS

	BOBCAT	CARD CATALOG
Declined to Participate:		
Sex		
Male	76	54
Female	65	61
Age Group (estimated)		
15-19 years	25	18
20-34 years	96	17
35-54 years	19	14
55-64 years	2	5
65 + years	--	1
Total Decline:	141	115
Screened not eligible:		
Previously participated in study	71	36
Library Staff	1	13
Volunteer	--	9
Bobcat user*	--	219
Used neither catalog*	--	12
Total Screened:	72	289
Number of forms excluded due to gross incompletes:	28	23
Number of usable completed forms:	218	116
Total Number of people approached:	459	543

*Represent approach errors due to positioning to data collection at exit from card catalog. These people were intercepted yet they had not been using card catalog.

TABLE 6
INTERVIEW STUDY PARTICIPANTS

Declined to Participate:	
Sex	
Male	10
Female	14
Age Group (estimated)	
15-19 years	6
20-34 years	15
35-54 years	2
55-64 years	1
65+ years	--
Total Decline:	24
Screened not eligible:	
Previously participated in study	5
Library Staff	2
Volunteer	--
Graduate Student	49
Total Screened:	56
Number of Completed Forms:	54
Total Number of people approached:	134

D. DATA ANALYSIS

The CLR Study data was analyzed by the Division of Library Automation, University of California at Berkeley. This was carried out according to contract and included a comparison of New York University results with those found for the 7 members of the Association of Research Libraries that participated in the original CLR study. Analysis followed the CLR model.

The NYU study data was cleaned, coded and entered at the New York University computing facilities. Analysis was done by the research team and will continue, because the findings are extensive. A qualitative analysis of comments regarding system problems and suggestions is under review.
The interview data was coded and analyzed by the research team with the volunteer librarians who collected it. Due to the highly individual

responses, a qualitative analysis was done which allowed the categorization of searches and criteria of success. An inventory of search errors was also completed.

The study design included a plan to analyze the TCP files that record the searches done on each Bobcat terminal. This would provide a transparent collected source of data useful for search verification and an indication of the population's search choices. This file includes all command information as well as a record of the actual item/s searched. Preliminary review of the files was informative on the types of commands used; however, without a statistical sorting program it was not feasible to isolate the searches on which data had been collected or to summarize the logs in any systematic way. Geac is currently developing programs to sort and categorize the TCP files. Once these are tested, a complete analysis of TCP files on all days that data were collected and a search-specific analysis of NYU Study and Interview searches will be completed.

V. RESULTS

A. CLR STUDY RESULTS

Appendices D and G present the distribution of responses to the CLR user and nonuser questionnaires. Data collected at the Graduate Business Administration (GBA) Library has been removed since 1) the students most likely to use this library are part-time, graduate, business students; 2) business students at New York University are apt to be male and older; 3) the searches conducted by these students may be different from searches conducted by students using the main library; and 4) the size of the GBA user and nonuser samples is too small to permit even tentative conclusions regarding the differences and/or similarities between the subjects and searches.

1) CLR User Study Results: Respondents completed 810 CLR user questionnaires. The sample consisted of approximately equal numbers of males and females of which about 2/3 were between 20 and 34 years. The majority were undergraduate students, and less than 5% of the sample identified themselves as faculty members. Half of the respondents reported that their primary field of study was arts & humanities. Most were involved in course work and required information sought for class reading or a course paper.

Ninety percent of the sample reported they used the Library at least monthly. Although almost 60% reported using the computer catalog on most or every visit, only 35% indicated they used the card or microfilm catalog on most or every visit. This frequent usage of the computer catalog was not reflected in use of another computer system. Less than a third reported they use another computer catalog weekly and over 35% indicated they never use a computer.

When subjects were asked about the search they had just completed, most reported they had conducted a search for a subject or a specific book and that they were apt to have used an author's name or subject heading. Approximately one third of the CLR users indicated they found all or most of what they were looking for in the search, while a fifth reported they had found nothing. Despite this finding, over 75% of the users reported their search was very or somewhat satisfactory and over 90% noted they felt very or somewhat favorable toward the computer catalog. When asked to compare the computer catalog and card catalog, 65% rated the computer catalog better, whereas approximately a quarter felt the card catalog was better.

Most subjects did not seek help from a library staff member during the search. When help was obtained, it was likely to have come from the computer screen. Terminal instructions were also the way most respondents had initially learned to use the system. They were most likely to have first heard about the computer catalog by noticing a terminal rather than through a formal introduction.

a) CLR User Study-NYU compared with ARL Libraries: A comparison between New York University and the 7 ARL libraries that have utilized the CLR questionnaire revealed few differences (Appendix E). The samples resembled one another in terms of age, education, sex, and frequency of library usage. The types of searches conducted by respondents in each sample were similar, although New York University users were slightly more likely to conduct an author search. An examination of the Likert-type questions showed the New York University respondents were more likely to agree strongly that a search by author is easy and a search by subject is difficult.

The majority of differing responses between New York University and the 7 libraries were related to system-specific questions. For example, the NYU sample was more likely to have learned to use the computer catalog or to have gotten help, when conducting the search, from the terminal screen; the ARL sample was more likely to indicate that assistance came from printed instructions or from library staff. Differences were also found in the specific features, materials or improvements desired.

b) CLR User Study - Comparison of Success and Attitudes: Cross-tabulations were performed to compare several questions related to users' success and/or attitudes. As previously indicated, less than 25% of the CLR user sample reported that their search was somewhat or very unsatisfactory. When levels of success (as defined in the CLR questionnaire) were compared relative to satisfaction, it was found that those people who reported feeling unsatisfied were also likely to report they had not found what they were looking for. Yet, among the 629 satisfied respondents 283 or 44% indicated they found all or more than they were seeking, while 56% found only some or nothing of what they sought.

Similar results were found when the amount retrieved was contrasted with attitudes toward the computer catalog. The majority of subjects indicated they held a favorable attitude, while those who felt unfavorable tended to find only some or nothing of what they were seeking.

The relationship between user satisfaction and attitudes toward the computer catalog was in the direction expected. Those who were most satisfied also tended to be most favorable. This however did not hold in the opposite direction. Thirty-four people held very favorable attitudes toward the computer catalog yet reported very unsatisfactory searches.

The satisfied subjects were almost equally split when asked if they had found any additional items of interest. Those who reported being unsatisfied, however, were more likely to have found nothing additional. Although the majority of respondents viewed the computer catalog as a better place to search than the card catalog, those who indicated it was worse were more likely to be unsatisfied. When examining only those subjects who indicated their search was unsuccessful, 44% said the computer catalog was worse and 44% said it was better. Likewise, when asked to compare the computer catalog to the other catalogs, the majority of the 98 respondents who viewed the computer catalog as worse indicated finding only some materials (or none) during their search.

The level of satisfaction and the favorable attitude toward the computer catalog reported by subjects did not appear related to such factors as frequency of library usage, frequency of computer catalog usage, usage of the card catalog, or usage of another computer system. Neither did satisfaction vary across age or school affiliation.

An examination of the amount of information retrieved relative to the respondent's frequency of library use, frequency of computer catalog use, and frequency of card catalog use revealed few differences in success rates. More respondents, however, who use the card catalog daily reported they did not find all they looked for. Age and present affiliation also did not appear differentially related to success. (Appendix F contains all of the tables mentioned above).

2) CLR Nonuser Study Results: Demographically, the nonuser sample resembled the user sample. The nonuser sample consisted of approximately equal numbers of males and females. Over 50% were between 15 and 34 years old. Approximately half were undergraduates and very few were faculty members. Although the differences were small, the nonuser sample included a

greater percentage of respondents from the business and medical fields than the user sample. The majority of respondents reported they are currently involved in course work.

Although 75% of the nonuser sample reported using the library at least weekly, over 50% used the card catalog occasionally, rarely or never. When nonusers were asked the type of search they usually conducted in the card catalog, only 35% of the sample provided a response and over 20% of these reported they do not use the card catalog. When subjects were asked why they had not used the computer catalog, 19% reported they had no need for any library catalog. Two other reasons frequently indicated were the time needed to learn the system and not having received training sessions. When the sample was asked how long they felt it would take to learn to use the computer catalog, however, over 50% indicated less than 30 minutes. More than 60% felt it would be somewhat or very easy to learn.

Even without experience using the computer catalog, 90% reported a favorable attitude toward it and 31% indicated the computer catalog was probably a better place to conduct a search than the card catalog. Despite this finding, 255 subjects noted they were unlikely to use the computer catalog in the future.

a) CLR Non User - NYU Compared with ARL Libraries: Appendix H presents a comparison of the NYU nonuser data to those at the 7 ARL libraries. The two samples are very similiar. This is seen in the demographic indicators such as sex, age, level of academic affiliation, and academic focus. In addition, attitudes concerning the computer catalog and respondents' reasons for not using the system are similiar.

B. NEW YORK UNIVERSITY (NYU) STUDY RESULTS

Appendix I reports data from the NYU Bobcat and Card Catalog Study questionnaires. Demographically the computer catalog users and card catalog samples resembled one another. Although the Bobcat sample tended to be younger (57.9% between 15-24 years vs. 29.4% of the card catalog users), they did not differ greatly in their university ranking nor in the focus of their academic work. The majority of respondents in both catalogs came from the arts and humanities or social sciences. Less than 6% of the sample in either catalog came from the physical and biological sciences. Both types of users were likely to use the library facilities frequently. Over 70% in each sample noted they came to the library at least weekly and less than 4% said they had never come to the library before that day.

Part 1 of both the Bobcat and card catalog questionnaires was primarily used to provide information that would permit replication of the search (i.e., what searched for, call numbers, what found, etc). Since much of this consisted of write-in responses unique to the individual search, only selected questions are reported in the appended tables. Table 7 presents the distribution of search types based upon the priority system used in the case of multiple search. As can be seen, this instrument was not totally successful in collecting uniform samples sizes by search types (i.e., equal numbers of searches for specific books, subject or books by a specific author). In both catalogs, the number of subject searches and searches for a specific book exceeded the number of searches for books by a specific author. Only 13 Bobcat users (6%) and 5 card catalog users (4%) indicated that they had conducted bibliographic searches exclusively. Eighteen users out of 338 were looking for other unidentified information.

TABLE 7
SEARCH CHOICE
BOBCAT (N=218)
CARD CATALOG (N=116)

(These questions may contain multiple responses and therefore percentages may exceed 100%.)

	Bobcat		Card	
	Freq.	pct. of cases	Freq.	pct. of cases
(Q100) What person was trying to find:				
Specific book, journal, magazine	71	(32.6)	45	(38.8)
2+ specific books, etc.	14	(6.4)	10	(8.6)
Any books, etc. on a subject	75	(34.4)	36	(31.0)
2+ Books etc. by a specific author	45	(20.6)	20	(17.2)
Supplementary information	1	(.5)	1	(.9)
Other information	12	(5.5)	4	(3.4)
Missing	0		0	

The most common point of entry as indicated in Part 1 of the Bobcat questionnaire was by subject. Card catalog users, however, were as likely to begin a search with an author's name as a subject. The first three questions from Part 2 of the special study questionnaire also requested search information. Unlike Part 1, which examined a single search and reflected the uniform sampling procedure, this part included the possibility of multiple searches and thus responses referred simultaneously to different types of searches. This followed the format used in the CLR questionnaire.

In Part 2, however, the responses of Bobcat and card catalog users differed regarding amount of information found. Sixty-five percent of the card catalog users found all or more than they were looking for, while only 34.8% of the Bobcat users had similar results. Twenty-one percent of the Bobcat users and 17.5% of the card catalog users checked that they had found nothing they were looking for. Despite this difference, both Bobcat and card catalog users were likely to report their searches were satisfactory. Seventy-five percent of the

Bobcat users and 81% of the card catalog users indicated their searches were somewhat or very satisfactory. Both types of users were also likely to hold a favorable attitude toward the catalog they searched. Less than 8% of the respondents in either catalog indicated they were somewhat or very unfavorable. When asked to compare the two catalogs in terms of successfulness when conducting a search, respondents tended to favor the catalog just searched. Some subjects, however, did view the other catalog as more successful. In addition, approximately a quarter of both the Bobcat users and card catalog users indicated that the catalogs were equally successful places to search. Less than 3% in either catalog felt that neither catalog was successful.

Attempts were made to elicit a definition of a successful catalog search. Table 8 presents a schematization of the open-ended responses. Comparisons across catalog types are difficult, since not all categories are applicable to both catalogs. The most frequent responses, however, by either type of catalog user, were: finding a known item; finding relevant information; and finding the book on the shelf. In addition, 19% of the card catalog users stated that finding something more than what they were looking for (serendipity) was a criterion for success.

TABLE 8
DEFINITION OF SUCCESS BY SUCCESSFUL SEARCHERS
(i.e. searches which resulted in obtaining a call number)

	Bobcat		Card	
	Freq.	pct. of cases	Freq.	pct. of cases
Find a known item	78	39.2	59	59.0
Find a call no/area in stacks	26	13.1	7	7.0
Find relevant information	86	43.2	39	39.0
Serendipity	13	6.5	19	19.0
Generic: info is in catalog	5	2.5	1	1.0
Do not need to go to other catalog	3	1.5	1	1.0
Search is quick & easy	16	8.0	5	5.0
Book on the shelf	29	14.6	27	27.0
Find needed information	23	11.6	4	4.0
Helps with research	6	3.0	2	2.0
All information is in catalog	7	3.5	1	1.0
If use step by step	1	.5	—	----
Miscellaneous attributes of Bobcat	2	1.0	—	----
	198		98	

General information concerning the computer catalog was solicited from both Bobcat and card catalog users. Although card catalog users were more likely to leave these questions blank, there were few differences among those who responded across catalog type. Both Bobcat and card catalog users were likely to have heard about the computer catalog by noticing a terminal and to have used it for the first time between spring 1983 and January 1984. However, only 69 respondents or 60% of the card catalog users indicated when they first used the computer catalog. It cannot be determined whether these people had not heard of Bobcat or simply left the question blank. More than 40% of subjects in both catalogs reported they never used another computer system other than Bobcat.

Both Bobcat and card catalog users were asked to describe any problems with or changes they would like made in the catalog searched. Responses by card catalog users were infrequent and often reflected a misunderstanding of the question. For this reason, responses of card catalog users were dropped from the analysis. Among Bobcat users, 54.4% indicated that they would like more titles added. Seventeen percent requested that the subject search capabilities should be increased and 13% reported the system was too slow.

The Likert-type CLR questions which appeared on both the CLR User Questionnaire and the NYU Study Card Catalog Questionnaire were compared. Few differences were found between the two samples. The majority of the questions inquired about the ease of conducting a search. Among those who gave a response other than "does not apply", both computer and card catalog users reported title, author and a combined title and author searches were easy. Each sample was approximately evenly split concerning the difficulty of a subject search. Likewise, both types of users felt the order and information provided in the catalog was easy to understand and that locating a call number was easy. When asked to evaluate the assistance provided by staff and signs in the library, both samples indicated they were adequate and helpful. When asked about the abbreviations used in the catalogs, card catalog users were more likely to report "does not apply" or to indicate they neither agree nor disagree. Bobcat users were more likely to agree that the abbreviations were easy to use and understand. Bobcat users were also more likely to disagree with the assertion that a search took too long.

1) NYU Study: Comparison of Success & Attitudes: The cross-tabulations of the NYU Study were similar to those obtained from the CLR data. Care must be taken in interpreting the results from the card catalog component since the sample size and therefore all cell sizes are small.

Part 2 of the NYU Study indicated that card catalog users were more successful than computer catalog users. Yet, when success was examined relative to frequency of library use and frequency of catalog use, there were few differences. When frequency of use of another computer system was compared with success, differences were found. It appears that frequent use of another computer system results in more successful searches in the card catalog, but not in the computer catalog. This is probably an artifact of small cell sizes and the fact that 50% of the card catalog users did not answer this question.

Unlike the CLR comparisons of success with age, the NYU Bobcat Study found that younger users reported more successful searches. This difference was not found among card catalog users.

The majority of respondents in both catalogs were satisfied with their searches. The users who reported feeling unsatisfied tended to find nothing they were looking for and did not come across other items of interest. Levels of satisfaction did not differ according to frequency of library use. Although daily use of a catalog and a rating of very satisfactory co-occurred, this result may, again, simply reflect the small sample size.

Most users held favorable attitudes toward the catalog searched. Success was compared relative to these attitudes. Although Bobcat users were more likely to indicate they found none or only some of what they were looking for, their attitude toward the catalog searched was equally favorable to that of the card catalog users. The favorable attitude of both card catalog and Bobcat users does not appear to vary by how often the subjects come to the library nor by how often they use the library or the catalog.

2) NYU Study Replication Results: Part of the analysis of the NYU Study involved the replication of searches as documented by users in Q100 to Q600. Since some users provided only partial information, not all searches could be replicated. In addition, 8 online catalog users and 8 card catalog users provided detailed information on more than one search. Following a precedent established by Matthews et al. in Using Online Catalogs: A Nationwide Survey (1982: 146-174), the searches were classified according to whether they were subject or non-subject searches. The following table presents the replication findings.

TABLE 9
NYU STUDY: SEARCH REPLICATION BY LIBRARY STAFF

Catalog	Online Catalog Bobcat	Card Card
NON-SUBJECT:		
Correct Searches:	62	57
User Error:	6	10
SUBJECT:		
Correct Searches:	42	28
Found Something but could have found more:	20	9
Found nothing: (User error insofar as did not know how to conduct a subject search)	14	6

C. INTERVIEW RESULTS

A total of 34 Bobcat, 18 card catalog and 2 combined catalog interviews were conducted. Table 10 presents the frequencies of search type by catalog type. The majority were either a subject or author search. A further breakdown is in Table 11 which presents how many items (authors, titles, subjects) a user searched for; the number of items retrieved (call numbers, authors' names or titles recorded); and whether or not the search was considered by the respondent to be successful. Sixty-one percent of the users interviewed felt that their searches were successful, even if they found only part of what they were looking for. Many of those who said that their searches were not successful found some of the information they were seeking. Only 9 of the 54 persons interviewed found nothing. Finding what is being sought and expectation of what the catalog should provide were clear discriminating factors in judgments of success.

The interviews had been designed to provide information on search procedure as well as outcome. Since the interviewer tracked through the search with a user, a considerable amount of information was collected on how the search was organized. The sample provided more information on subject searches than on other types since these vary so much from individual to individual. None of the subject searchers consulted the Library of Congress Subject Heading books and only 2 of the 13 were even familiar with them. Subject searchers assumed that the designation they gave the subject was the one that would be used in the catalog. Whereas in some cases this assumption was correct, in others it was not, such as a search started on the "Government of India" under author and title in Bobcat which then tried the subject "India" and retrieved too much data (1100 hits) and yet nothing on author and title searches. The interviewee perceived this lack of precision as confusing or the equivalent of having found nothing. The cross references provided in the card catalog assisted searchers there; however, this safety net was not present for Bobcat users. In most cases where the information sought was not found on the first subject designation, the users persevered by looking for terms they thought were related. When asked, most respondents reported their sense that subject categories were equivalent to natural language.

As Table 10 indicates, only one keyword search was conducted. The preliminary results from the CLR and NYU studies also indicated that this function was not being used extensively. This finding combined with users' assumptions that subject searches were possible according to everyday or natural language categories provided evidence that users were not aware of the alternatives offered by the computer catalog. Bobcat provides the options of author, title and subject keyword searches, any of which might have yielded results more useful than those found in many of the subject searches. Once the TCP File data is analyzed, the library will be able to assess the proportion of keyword searches done in the overall user population. Until this is completed, users are being informed via information screens that this sophisticated capability is an option and that it should be experimented with. The small usage of it raises the question of how effectively the capabilities of the Bobcat system have been diffused among users. Whether this is an issue related to training or to users' partial assimilation of information is yet to be studied.

The interviews helped identify sources of error in using the catalogs and indicated that users had as much difficulty using the card catalog as they did in using Bobcat. Errors resulted from lack of familiarity with catalog organization and subject headings; misunderstanding of the scope of the public catalog; spelling errors; and lack of information on how to organize a search.

Respondents varied in how they judged the successfulness of their searches. Retrieval of all or part of what they were looking for contributed to a "success" judgment, but it was not sufficient. Many stated that what they had expected to find vs. what they found was in part related to their assessment of what the catalog should contain. This resulted in inconsistent patterns of perceptions of success relative to items searched and retrieved. Errors in the use of the computer or card catalog were found across all educational levels. Analysis of the comments made regarding satisfaction revealed few differences between the card and online catalog users. Most reported having been satisfied with the search regardless of outcome. Furthermore, all but 3 of the 54 reported satisfaction with the library in general. Whether this high estimation was a result of interviewer contamination is impossible to assess. Finally, several of the interviews were concluded with some type of catalog instruction involving such aids as tracings, Library of Congress subject headings, keyword searches and chain commanding.

TABLE 10
NUMBER OF SEARCHERS INTERVIEWED
BY CATALOG AND TYPE OF SEARCH

Type of Search	Bobcat	Card Catalog	Bobcat & Card Catalog	Total
Subject	13	8	-	21
Author	7	5	-	12
Title	1	1	-	2
A/T (Menu)	2	-	-	2
Author & Title	2	1	1	4
Subject & Author	2	1	1	4
Subject & Title	2	-	-	2
A/T & Title	1	-	-	1
Author & UNISEC	1	-	-	1
Subject, Author & Title	2	2	-	4
Subject, AutT, & AutK	1	-	-	1
Total	34	18	2	54

TABLE 11
INTERVIEW: SEARCHES AND SUCCESS BY TYPE OF SEARCH

1. Type of Search: SUBJECT (N=21)

Catalog Type	# Subjects Searched	Rank	Actual Retrieval	# Retrieved -#Searched	Search Perceived Successful
Bobcat	5	Jun/Senior	2	-3	yes
"	1	Freshman	1	0	yes
"	1	Freshman	2	1	partially
"	5	Staff	0	-5	no
"	7	Grad MA (GBA)	1	-6	no
"	2	Jun/Senior	7	-5	no
"	1	Jun/Senior	2	1	yes
"	2	NYU/Comm	3	1	partially
"	1	Jun/Senior	3	2	partially
"	6	Grad MA	3	-3	no
"	6	Other	6	0	no
"	1	Jun/Senior	3	2	yes
"	1	Faculty (NS)	1	0	yes
Card	1	Jun/Senior	2	1	yes
"	4	Faculty (NYU)	4	0	partially
"	2	Jun/Senior	4	2	partially
"	2	Fresh/Soph	1	-1	yes
"	3	Jun/Senior	0	-3	yes
"	2	Grad PhD	2	0	yes
"	1	Staff/other	1	0	no
"	1	Grad PhD	0	-1	no

2. Type of Search: AUTHOR (N=12)

Catalog	Authors Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	1	Jun/Senior	1	0	yes
"	1	Fresh/Soph	1	0	yes
"	6	Grad PhD	3	-3	yes
"	1	Grad PhD/Staff	1	0	yes
"	3	Grad PhD	0	-3	no
"	1	Jun/Senior	1	0	yes
"	1	Grad PhD	1	0	yes
Card	8	Grad PhD	6	-2	yes/partially
"	1	Grad PhD	0	-1	no
"	3	Jun/Senior	4	1	yes
"	2	Grad MA	1	-1	yes
"	1	Grad PhD	1	0	yes

3. Type of Search: TITLE (N=2)

Catalog	#Titles	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	1	Jun/Senior	1	0	yes
Card	1	Grad MA	5	4	yes

4. Type of Search: AUTHOR/TITLE (N=2)

	#Author/Title Searches	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	1	Jun/Senior	1	0	yes
"	1	Grad MA	0	-1	no

5. Type of Search: AUTHOR AND TITLE (N=4)

	#Authors Searched	#Titles Searched	Rank	Actual Retreival	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	7	1	Faculty	2	-6	yes
"	5	2	Other	2	-5	no
Card	1	1	Jun/Senior	0	-2	no
BC & CC	2	1	Grad PhD	2	-1	yes

6. Type of Search: SUBJECT AND AUTHOR (N=4)

	#Subjects Searched	#Authors Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	5	1	Grad PhD	0	-6	no
"	2	1	Grad Prof	19	16	yes
Card	10	1	Jun/Senior	3	-8	yes
BC & CC	1bc/1cc	1bc	Grad PhD	5	3	yes

7. Type of Search: SUBJECT AND TITLE (N=2)

	#Subjects Searched	#Titles Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	3	2	Jun/Senior	6	1	yes
"	5	1	Jun/Senior	3	-3	yes

8. Type of Search: AUTHOR/TITLE AND TITLE (N=1)

	#Authors/ Title Searched	#Titles Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	14	1	Grad PhD	9	-6	partially

9. Type of Search: AUTHOR AND UNISEC (N=1)

	#Authors Searched	#Unisec Citations Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	1	18	Grad PhD	17	-2	yes

10. Type of Search: SUBJECT, AUTHOR AND TITLE (N=4)

	#Subjects Searched	#Authors Searched	#Titles Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	4	5(A/T)	4	Grad MA	11	-2	partially
Card	1	1	1	Faculty	5+	2+	yes
"	1	3	2	Jun./Sen.	4	-2	yes
Bobcat	1	1(A/T)		Jun./Sen.	2	0	yes

11. Type of Search: SUBJECT, AUTHOR AND AUTHOR KEYWORD (N=1)

	#Subjects Searched	#Authors Searched	#Titles Searched	Rank	Actual Retrieval	#Retrieved -#Searched	Was Search Perceived Successful
Bobcat	1	1	1	Grad PhD	5	2	partially

VI. DISCUSSION

As expected, it was found that users participating in the study generally liked the computer catalog and had few complaints. Even respondents who had little or no experience using Bobcat often rated it favorably, considered it a satisfactory place to search, and preferred it to the card catalog. Furthermore, the improvements most frequently requested involved increasing the number and availability of terminals rather than changing the system features.

Bobcat (and for that matter card catalog) users, however, were not always successful in their searches. Although over 80% indicated they found something, less than 40% found everything they were looking for. Individuals who were not satisfied with the computer catalog (i.e. felt it was unsatisfactory, held an unfavorable attitude, did not rate it better than the card catalog, etc.) tended to find less than they were searching for. The converse was not found. Those who were satisfied did not appear to relate their attitude to the successfulness of the search.

It is unclear why respondents were satisfied despite conducting somewhat or entirely unsuccessful searches. This may emanate from a desire to please the data collectors or librarians, or as a recognition of dependence on the library. Bobcat is an innovation for the library, and subjects may find it difficult to evaluate it unfavorably. Thus, due to Bobcat's novelty, library users may favor the new technology regardless of its accuracy and/or utility. Concurrent with this are reports of a fascination with the online catalog which are expressed in language such as "It's fun," "I enjoy it," "I can't live without it..." This, combined with loyalty and commitment to using the computer catalog even after numerous unsuccessful searches, extended from undergraduates who adopted a Bobcat as the mascot for the basketball team, to senior researchers who recognized its limitations but nonetheless used it heavily.

The fact that users were highly enthusiastic about the online technology confirmed the initial impetus of this research: to test whether Marshall McLuhan's provocative assertion, "the medium is the message," might be operating at libraries with computerized catalogs. McLuhan writes:

> In a culture like ours, long accustomed to splitting and dividing all things as a means of control, it is sometimes a bit of a shock to be reminded that, in operational and practical fact, the medium is the message. This is merely to say that the personal and social consequence of any medium...result from the new scale that is introduced into our affairs by each extension of ourselves, or by any new technology...(McLuhan, 1964, 23).

If McLuhan is correct, then efficiency attributed to Bobcat and the enthusiasm it elicits might in part result from the new scale that is introduced by the medium of the online catalog. Perceptions that the system was faster than the card catalog and that it yielded more items were, in fact, reported by many of the Bobcat interviewees.

Whether these social psychological assessments will continue to be associated with Bobcat is a question for further research. Certainly, if the literature on the diffusion of innovations is consulted, a projection could be made that, with time, assessments regarding specific information sought and anticipated yields should become more realistic and normative.

Another factor to be taken into account is that the highly favorable attitudes expressed may be a reflection of the generalized computer culture prevalent in New York City and at New York University. Although individuals are exposed to computers and are expected to be able to operate them, the majority of the respondents had little or no computer experience and may have been unwilling or unable to admit they were unsuccessful when using Bobcat. Indeed, Bobcat provided the user an opportunity to become computer-literate, if only on a very simple level.

Unlike most computer systems, Bobcat does not require a special entrance code or programming knowledge. Furthermore, its visibility and easy access from the main lobby are ecological variables which may effect its use and evaluation. As Tressier, Crouch and Atherton (1977) argue, in addition to success, environmental and financial factors should be considered when studying definitions of satisfaction. Bobcat's easy access permits experimentation with the system without requiring instruction. Autonomy is encouraged by Bobcat's user-friendly interface. Thus, it was not surprising that most users reported they learned to use the online catalog from terminal instructions which were also the primary source of help during a search. The computer catalog provided feedback to an inquiry even if the specific item sought was not located. This in itself may have been satisfying. Perhaps even if the item was not found, a search was considered satisfactory if the terminal instructions were properly followed.

Another possible explanation for the success-satisfaction differences is that these are not congruent terms. If library patrons habitually do not locate the item sought, the expectation brought to a search may be to find less than one is looking for. Additionally, library patrons may be ego-involved in knowing how adequately to use a library catalog, something commonly assumed of any college student. Respondents may have been unwilling to admit a lack of catalog competency. This view is supported by comments of the interviewees who reported obtaining help from librarians. Therefore, admitting that one is unsatisfied with a search because one has not mastered the use of a library catalog may be threatening and unacceptable. Since this study focused primarily on the search outcome rather than the search process, minimal information regarding patterns of error and success is available. Without adequate knowledge of search patterns it is difficult to identify the aspect of the search to which a satisfactory evaluation is attached.

The interview component, however, provided some information on how people actually searched. Although of limited generalizability due to the small sample size and the limited testing of the instrument, the interviews pointed out several sources of user errors which may account for less than complete success rates. For instance, despite notice to the contrary on the computer screens, users seemed to expect that subject searches would be performed by the computer according to natural language categories. Similar results were found in the NYU Study. Replication of these searches demonstrated that users often failed to use appropriate subject headings. Their assessment of success, however, did not always reflect an understanding of this failure.

The consensus among librarians who participated in the interview part of the study was that user knowledge of catalog organization, regardless of type of catalog, had to be improved. With regard to the online catalog, increased awareness of the keyword search option is critical because so many users are conducting subject searches. Furthermore, the interview experience provided a hands-on opportunity to observe how the user approaches bibliographic tasks. This has generated considerable enthusiasm at New York University for developing new programs of user assistance, and a task force on subject searching has been established.

Since success and satisfaction may be ambiguous terms, adequately defining success is problematic. In an attempt to produce a definition of success specific to the NYU sample, respondents were asked to define a "successful search". The overwhelming response was "finding the book(s)", either for known items or subjects. The meaning of "finding the books," however, is somewhat unclear, i.e. whether the physical book is found on the shelf or whether the reference is located in the catalog. Nevertheless, this response does not lessen the validity of the definition of success used in this study. Users were not asked to define satisfaction. Yet, it was clear that an affirmative evaluation meant that they felt that the services delivered were sufficient to their needs and also that the system was useful and efficient for searching the Library's holdings.

Several difficulties were encountered during the data collection. The CLR questionnaire, although well tested at other sites, contained questions that were ambiguous or inappropriate to New York University. The forms required up to 20 minutes to complete; therefore, only patrons with adequate free time could participate in the study. Recruitment in the card catalog area proved to be difficult. This was due in part to the environmental difficulties of multiple entry points into the catalog, and in part to the general reluctance of card catalog users to participate. Card catalog users often reported they were not conscious of their decisions or of their attitudes toward the catalog. Perhaps the newness of the online catalog as well as the search specificity made users more capable of evaluating its usage, whereas card catalog users preferred to continue their searches undisturbed.

Beyond insight into computer catalogs, search patterns, and success, this study provided positive benefits for the library staff who participated. Most reported that the process of collecting data better informed them of how patrons used catalogs. With the results of the study, the Library's Online Catalog Instruction Task Force will examine training issues related to user search errors, particularly for subject searches. The Task Force will recommend modifications of terminal screen displays and additional means of assisting patrons online if necessary. The group will also explore possibilities for enhancing publications and signage about Bobcat use. System designers will use the results to evaluate user requests for technological improvements and data base expansion.

At a time when the library community is just beginning to provide state-of-the-art technology for public use, an assessment of online catalog strengths and weaknesses is critical. At all stages of its online catalog development, New York University's primary objective has been to improve users' access to materials. The results of this study will further that objective.

While Bobcat has clearly satisfied many users, the findings of the study reinforce the Library's concerns that success rates need to be improved. Retrospective conversion of records not yet in the data base is one solution; better bibliographic instruction built into the online system is another. It is also clear that more research needs to be conducted with a direct focus on success. The CLR study provided insight into users' satisfaction and their reaction to various system features. The NYU study offered researchers a look at users' approaches to a search and their success with it. The Interview study pointed out the process and problems of individual searches, with possibilities for qualitative analysis not realized with the two other study components. Given the importance of understanding users' interaction with library catalogs and their expectations of success, further experimentation with an interview format such as the one designed at New York University seems appropriate for future research and can build upon the results reported in this study.

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Appendix A

Bobcat Capability

COMPUTER CATALOG PROFILE

LIBRARY SYSTEM NEW YORK UNIVERSITY **DATE** MAY 1984

1. **Manufacturer and Model Number of CPU:** GEAC 8000 E

2. **Amount of CPU memory (K) in bytes:** 512 K

3. **Model and number of disk drives:** 4 CDC 300 MB Drives

4. **Total amount of disk storage capacity (MB):** 1200 MB

5. **Name of operating system:** GEAC 05 Version 2.6 (ZOPL)

6. **Name and vendor of database management system:** GEAC Online Public Catalog System (HUGO)

7. **Name of application programming language(s):** ZOPL

8. **Total number of Computer Catalog terminals attached directly to computer system:** 44

9. **Data transmission speed of Computer Catalog terminals attached directly to the computer system:** 9600 band

10. **If dial-in access is provided, indicate number of ports and speeds of ports:** 1, 1200 band

11. **Number and location (branch and main) of library terminals:**

Main (BOBST)	44
Branch (Cooper Union)	4
Branch (GBA*)	4

* GBA = Graduate School of Business Administration

COMPUTER CATALOG PROFILE (Continued)

12. Number of printers available to users (other than high speed printers): none

13. Can some or all users request printing from a highspeed printer attached to the CPU? not at present

14. Is the computer catalog a
    (X) Computer Catalog only
    ( ) Combination Catalog and Circulation System
    (X) Circulation system available for patron query in future through online ca
    ( ) Other (Please specify)

15. Does the system produce transaction logs of individual user sessions? Yes, but at present these are not tabulated but exist only in the form of raw data collected

16. Of the features listed below, which are available to computer catalog users?

OPERATIONAL CONTROL
( ) Selection of function (Search, circulation, etc.)
(X) Interruption of on-line output --block-mode transmission, so that at end of scree
(X) Command stacking/multiple commands full of data can simply type another comma
(X) Correction of keying errors before command input (back space)

OUTPUT CONTROL
Number of display formats available 4 public, 1 additional for staff
Can user select preferred display format? yes (yes or no)
(X) Display forward and back
( ) Hard copy printed results available
( ) Sort capability

INFORMATION AND INSTRUCTION
(X) Instruction or assistance imbodded in dialogue
(X) Separate HELP displays available on request
( ) Related terms, index, or thesaurus available on-line

SEARCH FORMULATION AND CONTROL
( ) Expand or limit results by date
( ) Expand or limit results by language > coming in future
( ) Expand or limit results by type of material
( ) Expand or limit results by ____________ (please specify)
(X) Free text term or keyword searching available

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COMPUTER CATALOG PROFILE (Continued)

( ) Use of Boolean operators (and, or, not)
( ) Proximity operators
(X) Ability to use truncated search terms for KEYWORD searching
( ) Ability to create and save sets

( ) Ability to select or change search mode

TYPE OF COMMAND ENTRY LANGUAGE
( ) Formal command language
(X) Menu selection
( ) Other ____________

ACCESS POINTS AVAILABLE
(X) Author
(X) Title
(X) Author/Title
(X) Subject
(X) Call Number
( ) Accession Number
(X) ISBN/ISSN / ISRN --note addition
(X) LC Card Number
(X) Series AS TITLE SEARCH
(X) Access by added entry
(X) Other (specify) Government Document number (in this case, Superintendent of Documents Number)

17. What is the total number of records in the Computer Catalog?

350,000

18. Type and percentage of records in the Computer Catalog:

RECORD TYPE	AS OF (DATE)	TOTAL NUMBER OF RECORDS IN LIBRARY	NUMBER OR % IN COMPUTER CATALOG
Monographs	August, 1983	1,000,000*	341,000**
Journals or Magazines	August, 1983	19,000*	1,800**
Newspapers	August 1983	Total # = 48	0% in catalog

* NYU only, does not include, Medical, Law, Dental or Mathematical Science collections

** includes some records for:
New School for Social Research, Cooper Union and Parsons School of Design

COMPUTER CATALOG PROFILE (Continued)

Dissertations			
Government Publications ***	August, 1983	151,000 print 451,000 micro	0 %
Maps			
Manuscripts			
Music Scores	August, 1983	10,000	0 %
Phonograph Records	August, 1983	18,000	0 %
Tapes			
Motion Picture Films			
Technical Reports			
Non-English Materials			
Other (please specify)			

*** accessible through federal, state, local, U.N. and international document catalogs only

19. **Please check the status of other catalogs in the library.**

	ACTIVE	CLOSED, MAINTAINED	CLOSED, NOT MAINTAINED	DOES NOT APPLY
Card Catalog	X			

COMPUTER CATALOG PROFILE (Continued)

COM Catalog

Book Catalog

Other

20. What kind of backup is available to patrons if the computer system goes down?

at present, card catalog; in future, com catalog

21. Number of registered borrowers: 75,000

NEW YORK UNIVERSITY LIBRARIES
GEAC ONLINE CATALOG

The following document contains general information about NYU's online catalog, Bobcat, which should be used to interpret the results of the online catalog study questionnaires.

FEATURES:

COMMANDS

Commands can be abbreviated to three letters. Most commands available at any one time in the searching process are presented in a short menu at the bottom of the screen. This menu can contain anywhere from 2-6 commands although in fact other commands might be valid at that time. We felt that more choices cut down on screen space for actual data and would also tend to confuse/overwhelm patrons.

Five function keys presently exist which can speed up use of the system: Help, Advanced Help, Start Over, Previous Screen, End. Help and Advanced Help are explained below. Start Over takes the user back to the menu where he can select which type of search he wants to do. Previous Screen takes a user back anywhere from 6-10 physical screens, although results from keyword searches are not retained. End actually ends the whole process and takes the user back to the Introductory screen.

SEARCHING

At present users can search the catalog data base. They do this through an easy menu approach. Screens where they enter their searches contain examples of how a search should be typed as well as very brief information about this type of search. Help screens include additional information about the different kinds of searches.

1) Search by Author (AUT), Title (TIL), or Subject(SUB.) SUB is Library of Congress subject heading or any local heading we may have used (standard LC format.)

2) Search by Keyword (KEY) for Authors (AUTK), Title (TILK) or Subject (SUBK). All significant words included with the exception of a short stoplist.

3) Search by Number (NUM) searches for LC card number (LCN), Call number (CAL), ISBN, ISSN, or ISRN (ISN), or Government document number (GOV).

4) Search by linked Author-Title (A-T). This is a 4-4 search at present, i.e., first 4 letters of author's last name, first 4 letters of first word of title.

Both Keyword and Number searches are 2-level type searches, i.e., patron first types command to perform keyword search or number search and is then presented with a menu from which the exact kind of keyword/number search can be selected.

Title index entries do not omit non-filing characters on the basis of the second indicator; a stoplist is used instead. This was done for 2 reasons: many of our older records created on OCLC do

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not include that filing indicator, and often patrons do not recognize articles which begin titles (particularly in foreign language titles.) The stoplist contains very few words (basically The, An, etc.) so that foreign language titles which begin with articles such as "Die," "La," "Los" are filed under those articles.

The user's search is retained and redisplayed on the screen along with the resulting number of matches. If there is no match, the user is told that the search matches no entries; a portion of the index is also displayed beginning with the entry immediately preceding and immediately following the user's entry. In this way the patron gets three hints: a message that the search matches no entries, a repetition of the search to check for typographical errors, and an index display to scan for other possibly useful entries (or as a visual clue to show the patron that something is wrong with the search, e.g., you get a list of titles beginning with the letter K rather than L.)

DISPLAYS

There are 4 displays available to patrons:

Index display - actually looks into part of an index;

Citation display - shows those entries associated with a particular index node;

Brief display (BRF) - contains author, title, edition (if any) and imprint (full 260 field). Each field is labelled. In addition, location, call number and copy number (though not all have the latter) are included for each copy of the title. The location code consists of 6 or fewer letters, mixed upper and lower case, the first of which represents the library where the item is located while the remaining letters tell where in that library the title is located. For example, BStack means the book is is Bobst Library in the main stacks. Status information is not yet included in the BRF display though this is planned for the future.

Full display (FUL)- resembles an LC card in fullness, but has each of the elements labelled. Tracings are grouped in separate paragraphs labelled "Other authors" or "Subjects" or "Other titles." The tracings are not separated by numerals but rather by a space-asterisk-space arrangement. No location information is included on the FUL display; patrons who want this information must return to the BRF screen.

When a search retrieves an index entry associated with only one record, it is displayed in BRF format. When more than one index node is retrieved, an IND(ex) list results. When one index node with more than one record is retrieved, then the patron is shown a CIT(ation) list.

CONTENTS OF CATALOG

Bobcat contains between 340,000-350,000 records. Most of these are for monographs but there are also some serials, scores, and sound recordings. Serial holdings consist of the information contained in the Summary Holdings Statement in the RLIN record; notes are "exploded," i.e., appear in understandable form instead of being

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indicated by numbers or letters.

The books records were created on both OCLC and RLIN, while the records for other formats of material were created on RLIN only. About 200,000 of Bobcat's records were converted from OCLC to RLIN. During that conversion some call numbers "turned out wrong" and unfortunately appear incorrectly in both RLIN and Bobcat. Patrons do not know about this, but staff can aid users in finding the correct call number. The card catalog does contain the accurate call number. RLIN is going to rerun and correct these problem records.

AIDS TO USERS

Help screens exist for each point in the search process. To invoke them the user simply presses a function key labelled "HELP." In addition, if a searcher types an "incorrect" or unrecognizable command 3 times, s/he "strikes out," and the system automatically invokes the help screen.

There is an Advanced Help function key which calls up a screen explaining the use of command chaining.

Bobcat Bulletins are available which give general information about Bobcat, give some basic commands, contain a complete list of locations with full names and a list of all commands that can be used. These Bulletins are on 2 sides of an 8 1/2"x11" sheet of gold paper. Bobcat Bulletins are pasted under plastic sheets on the tables next to the terminals.

There is a series of Bobcat Bulletins for staff (on green paper) which is not circulated to the public.

Plastic lettering strips with white letters on black background have been pasted above and below terminal screens. They bear the legend "Bobcat does not have it all."[above screen] "Check the card catalog too."[below screen] or "Bobcat contains only part of our holdings."[above screen] "Please check the card catalog."[below screen] (Unfortunately, patrons seem to ignore these signs and often assume that Bobcat is complete. The Bobcat Bulletin also includes explicit information about what Bobcat contains and lacks; see enclosed sample.)

CATALOG FEATURES STILL LACKING AND OTHER INFORMATION

There are still a number of enhancements to the online catalog which are not implemented. They will be installed as available:

1. Boolean searching. Note, however, that the linked A-T search gives a semi-Boolean result.

2. Authority control has not been completed.

3. Printing is still not available and we are not sure whether we will be using individual printers at terminals or have one high-speed printer and charge people for printouts instead.

4. Truncation may be used for keyword searching only.

5. Although you can scan For(ward) or BAC(kward) through index or citation lists, you cannot jump a specified number of entries in either direction.

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6. It is not posssible at present to choose to see records from one library only. Searches currently call up matching holdings from the union data base.

7. Terminals are polled, block-mode, green phosphor monitors. Keyboards are quite similar to typewriter keyboards with the addition of the 8 programmed function keys (only 5 of which are currently in use) and a large red SEND key.

8. Most terminals are in "stand-up" mode, i.e., on high tables which are best for standing usage, though patrons do snitch our filers' high stools and perch on them in front of Bobcat terminals. Sit down terminals are available on different floors in the stack area.

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Appendix B

Instruments

Council on Library Resources

COMPUTER CATALOG STUDY

Questionnaire

The library has a computer catalog and not everyone has had a chance to use it yet. If you have NEVER USED THE COMPUTER CATALOG you can contribute to the quality of library services by completing this questionnaire. It takes about five minutes. Your responses are confidential. Please do not write your name anywhere on the questionnaire. Thank you.

MARKING INSTRUCTIONS

- USE A NO. 2 PENCIL ONLY.
- FILL THE CIRCLES COMPLETELY.
- BE SURE TO ERASE CLEANLY ANY MARKS YOU WISH TO CHANGE.
- MAKE NO STRAY MARKS ON THIS QUESTIONNAIRE.

USE NO. 2 PENCIL ONLY

DO NOT WRITE IN THIS AREA

10099

PART 1: WHAT YOU THINK ABOUT THE COMPUTER CATALOG

INSTRUCTIONS: Please mark the response that best describes how you view a computer catalog.

1. I have not used the computer catalog up to now because:
(Mark ALL that apply)

a. I do not like to use computers ○
b. I did not know there was a computer catalog ○
c. I do not know where it is ○
d. I have not had time to learn to use it ○
e. I have not taken training sessions on how to use it ○
f. There has not been any staff at the terminals to assist me in using it ○
g. The terminals were all in use when I wanted to use it ○
h. I have not needed to use any library catalog recently ○
i. The card catalog is easier to use ○
j. The card catalog contains more of the information I need ○
k. I am a visitor or infrequent user of this library ○

2. How much time do you think it takes to learn to use the computer catalog?

a. A day or more ○
b. Between 1/2 of a day and a day ○
c. Between an hour and 1/2 of a day ○
d. Between 30 minutes and an hour ○
e. Between 15 minutes and 30 minutes ○
f. 15 minutes or less ○

3. How difficult or easy do you think it would be to learn to use the computer catalog?

a. Very difficult
b. Somewhat difficult
c. Somewhat easy
d. Very easy

4. My overall or general attitude toward the computer catalog is:

a. Very favorable
b. Somewhat favorable
c. Somewhat unfavorable
d. Very unfavorable

5. How likely are you to use the computer catalog in the future?

a. Very likely
b. Somewhat likely
c. Somewhat unlikely
d. Very unlikely

6. Compared to the card, book, or microfiche catalog in this library the computer catalog is:
(Mark ONE only)

a. Better
b. About the same
c. Worse
d. Can't decide

PART 2: ABOUT YOURSELF

INSTRUCTIONS: Your responses are confidential. Please do not write your name anywhere on this questionnaire.

7. I come to this library:

a. Daily
b. Weekly
c. Monthly
d. About four times a year
e. About once a year
f. Not before today

8. I use this library's book, card or microfilm catalog:

a. Every visit
b. Almost every visit
c. Occasionally
d. Rarely
e. Not before today

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9. I use a computer system other than the library's computer catalog:

a. Daily ○
b. Weekly ○
c. Monthly ○
d. About four times a year ○
e. About once a year ○
f. Never ○

10. My age group is:

a. 14 and under ○
b. 15 - 19 years ○
c. 20 - 24 years ○
d. 25 - 34 years ○
e. 35 - 44 years ○
f. 45 - 54 years ○
g. 55 - 64 years ○
h. 65 and over ○

11. I am:

a Female ○
b Male ○

12. Mark your current or highest educational level: (Mark ONE only)

a. Grade School or Elementary School ○
b. High School or Secondary School ○
c. Some College or University ○
d. College or University Graduate ○

If you are not completing this questionnaire at a college or university, please stop here. Thank you.

If you are completing this questionnaire at a college or university, please continue.

13. The category that best describes my academic area is: (Mark ONE only)

a. Arts and Humanities ○
b. Physical/Biological Sciences ○
c. Social Sciences ○
d. Business/Management ○
e. Education ○
f. Engineering ○
g. Medical/Health Sciences ○
h. Law ○
i. Major not declared ○
j. Interdisciplinary ○

14. The main focus of my academic work at the present time is: (Mark ALL that apply)

a. Course Work ○
b. Teaching ○
c. Research ○

15. My present affiliation with this college or university is:

a Freshman/Sophomore ○
b. Junior/Senior ○
c Graduate - masters level ○
d Graduate - doctoral level ○
e Graduate - professional school ○
f Faculty ○
g Staff ○
h Other ○

Thank you for participating in this study of the computer catalog. This completes the questionnaire. Please return it.

SUPPLEMENTARY QUESTIONNAIRE ITEMS

16. ○○○○○○○○○○○○○○○
17. ○○○○○○○○○○○○○○○
18. ○○○○○○○○○○○○○○○
19. ○○○○○○○○○○○○○○○

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LIBRARY SYSTEM		
○	○	○
A	A	A
B	B	B
C	C	C
D	D	D
E	E	E
F	F	F
G	G	G
H	H	H
I	I	I
J	J	J
K	K	K
L	L	L
M	M	M
N	N	N
O	O	O
P	P	P
Q	Q	Q
R	R	R
S	S	S
T	T	T
U	U	U
V	V	V
W	W	W
X	X	X
Y	Y	Y
Z	Z	Z

LOC-ATION	
○	○
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
L	L
M	M
N	N
O	O
P	P
Q	Q
R	R
S	S
T	T
U	U
V	V
W	W
X	X
Y	Y
Z	Z

DATA COLL.	
○	○
A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I
J	J
K	K
L	L
M	M
N	N
O	O
P	P
Q	Q
R	R
S	S
T	T
U	U
V	V
W	W
X	X
Y	Y
Z	Z

DATE					
MO		DAY		YR	
0	0	0	0		0
1	1	1	1		1
	2	2	2		2
	3	3	3		3
	4		4		4
	5		5		5
	6		6		6
	7		7		7
	8		8	8	8
	9		9	9	9

TIME			
HR		MIN	
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

VERIFIED: ☐

BY: ____________________

DATE: ____________________

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10099

QUESTIONNAIRE FOR NON-COMPUTER CATALOG USERS

Please circle the answer you think is most appropriate and complete the statements.

1. I came to this library to:
(Mark ALL that apply)

a. do research
b. find a specific book or article
c. find out something about a subject or topic
d. study with materials I already have
e. use course materials in the reserve room
f. socialize
g. meet someone and then go somewhere else
h. attend a class
i. other: (please specify)__________________

2. When using the card catalog, I search for what I want by:
(Mark ALL that apply)

a. a complete author's name
b. part of an author's name
c. a complete title
d. a topic or words
e. a subject heading or headings
f. I do not use the card catalog

3. When I use the card catalog, I consider my search to be successful if: (please answer in a specific and concise statement that tells us what you consider to be a successful search)

____

4. If you had a choice between using a card catalog and a computer catalog, which would you use:

a. card catalog
b. computer catalog
c. never use catalogs

4.b. Why?____

5. I am affiliated with:

a. New York University
b. The Cooper Union
c. The New School
d. Parsons School of Design
e. Hebrew Union
f. other university
g. other

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THANK YOU

Council on Library Resources

COMPUTER CATALOG STUDY

User Questionnaire

The library is conducting a study of its computer catalog to improve it. This questionnaire is a way to communicate your views. It should take you only about 15 minutes to complete. Your responses are confidential. Please do not write your name anywhere on the questionnaire. Thank you.

MARKING INSTRUCTIONS

- USE A NO. 2 PENCIL ONLY.
- FILL THE CIRCLES COMPLETELY.
- BE SURE TO ERASE CLEANLY ANY MARKS YOU WISH TO CHANGE.
- MAKE NO STRAY MARKS ON THIS QUESTIONNAIRE.

USE NO 2 PENCIL ONLY

10886

DO NOT WRITE IN THIS AREA

PART 1: ABOUT YOUR MOST RECENT SEARCH

INSTRUCTIONS: Please answer these questions about the computer catalog search you just completed.

1. I came to this computer search with:
(Mark ALL that apply)

- a A complete author's name ○
- b Part of an author's name ○
- c A complete title ○
- d Part of a title ○
- e A topic word or words ○
- f A subject heading or headings ○
- g A complete call number ○
- h Part of a call number ○

2. By searching this computer catalog I was trying to find:
(Mark ALL that apply)

- a A specific book, journal or magazine ○
- b Books, journals or magazines on a topic or subject ○
- c Books by a specific author ○
- d Information such as publisher, date, spelling of a name, etc ○
- e It's book that I know the library has is available for my use ○
- f Another library that has a book, journal or magazine that I want ○

3. I searched for what I wanted by:
(Mark ALL that apply)

- a A complete author's name ○
- b Part of an author's name ○
- c A complete title ○
- d Part of a title ○
- e A topic word or words ○
- f A subject heading or headings ○
- g A complete call number ○
- h Part of a call number ○

4. I need this information for:
(Mark ALL that apply)

- a Recreational uses ○
- b Making or fixing something ○
- c My work or job ○
- d Personal interest ○
- e A hobby ○
- f Class or course reading ○
- g A course paper or report ○
- h A thesis or dissertation ○
- i Writing for publication ○
- j Teaching or planning a course ○
- k Keeping up on a topic or subject ○

5. In this computer search I found:
(Mark ONE only)

- a More than I was looking for ○
- b All that I was looking for ○
- c Some of what I was looking for ○
- d Nothing I was looking for ○

6. In relation to what I was looking for, this computer search was:
(Mark ONE only)

- a Very satisfactory ○
- b Somewhat satisfactory ○
- c Somewhat unsatisfactory ○
- d Very unsatisfactory ○

7. I came across things of interest other than what I was looking for:

- a YES ○
- b NO ○

8. I got help in doing this computer catalog search from:
(Mark ALL that apply)

- a Printed material or signs ○
- b Instructions on the terminal screen ○
- c Library staff member ○
- d Person nearby ○
- e I did not get help ○

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9. My overall or general attitude toward the computer catalog is:
(Mark ONE only)

a Very favorable ○
b Somewhat favorable ○
c Somewhat unfavorable ○
d Very unfavorable ○

10. Compared to the card, book, or microfiche catalog in this library, the computer catalog is:
(Mark ONE only)

a Better ○
b About the same ○
c Worse ○
d Can't decide ○

PART 2: YOUR EXPERIENCE WITH COMPUTER CATALOG FEATURES

INSTRUCTIONS: **Mark the single column for each question that corresponds most closely to how you feel. If the statement does not apply to your experience at the computer catalog, mark the column, "Does Not Apply".**

	STRONGLY AGREE	AGREE	NEITHER AGREE NOR DISAGREE	DISAGREE	STRONGLY DISAGREE	DOES NOT APPLY
11. A computer search by title is difficult	○	○	○	○	○	○
12. A computer search by author is easy	○	○	○	○	○	○
13. A computer search by subject is difficult	○	○	○	○	○	○
14. A computer search by call number is easy	○	○	○	○	○	○
15. A computer search by combined author/title is difficult	○	○	○	○	○	○
16. Remembering commands in the middle of the search is easy	○	○	○	○	○	○
17. Finding the correct subject term is difficult	○	○	○	○	○	○
18. Scanning through a long display (forward or backward) is easy	○	○	○	○	○	○
19. Increasing the result when too little is retrieved is difficult	○	○	○	○	○	○
20. Reducing the result when too much is retrieved is easy	○	○	○	○	○	○
21. Understanding explanations on the screen is difficult	○	○	○	○	○	○
22. Using codes or abbreviations for searching is easy	○	○	○	○	○	○
23. Abbreviations on the screen are easy to understand	○	○	○	○	○	○
24. Locating call numbers on the screen is difficult	○	○	○	○	○	○
25. Searching with a short form of a name or a word (truncation) is easy	○	○	○	○	○	○

	STRONGLY AGREE	AGREE	NEITHER AGREE NOR DISAGREE	DISAGREE	STRONGLY DISAGREE	DOES NOT APPLY
26. Using logical terms like AND, OR, NOT is difficult	○	○	○	○	○	○
27. Remembering the exact sequence or order of commands is easy	○	○	○	○	○	○
28. Understanding the initial instructions on the screen is difficult	○	○	○	○	○	○
29. Understanding the display for a single book, journal or magazine is easy	○	○	○	○	○	○
30. Understanding the display that shows more than a single book, journal or magazine is difficult	○	○	○	○	○	○
31. Interrupting or stopping the display of information is easy	○	○	○	○	○	○
32. Typing in exact spelling, initials, spaces and hyphens is difficult to do	○	○	○	○	○	○
33. Knowing what is included in the computer catalog is easy to remember	○	○	○	○	○	○
34. The order in which items are displayed is easy to understand	○	○	○	○	○	○
35. Displayed messages are too long	○	○	○	○	○	○

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	STRONGLY AGREE	AGREE	NEITHER AGREE NOR DISAGREE	DISAGREE	STRONGLY DISAGREE	DOES NOT APPLY
36 Selecting from a list of choices takes too much time	○	○	○	○	○	○
37 Entering commands when I want to during the search process is difficult	○	○	○	○	○	○
38 The rate at which the computer responds is too slow	○	○	○	○	○	○
39 The availability of signs and brochures is adequate	○	○	○	○	○	○
40 Signs and brochures are not very useful	○	○	○	○	○	○
41 The staff advice is often not helpful	○	○	○	○	○	○
42 It is hard to find a free terminal	○	○	○	○	○	○

YOU ARE MORE THAN HALF - WAY DONE

PART 3: IMPROVING THE COMPUTER CATALOG

INSTRUCTIONS: Select the response or responses that best reflect your views about changes that should be made in the computer catalog.

43. When I use the computer catalog terminal. (Mark YES or NO)

	YES	NO
a The keyboard is confusing to use	○	○
b There is too much glare on the screen	○	○
c The letters and numbers are easy to read	○	○
d The lighting around the terminal is too bright	○	○
e There is enough writing space at the terminal	○	○
f Nearby noise is distracting	○	○
g The terminal table is too high or too low	○	○
h The printer is easy to use	○	○

44. Select up to FOUR additional features you would like this computer catalog to have:

- a Providing step by step instructions ○
- b Searching by any word or words in a title ○
- c Searching by any word or words in a subject heading ○
- d Limiting search results by date of publication ○
- e Limiting search results by language ○
- f Ability to search by journal title abbreviations ○
- g Ability to change the order in which items are displayed ○
- h Ability to view a list of words related to my search words ○
- i Ability to search for illustrations and bibliographies ○
- j Ability to search by call number ○
- k Ability to print search results ○
- l Ability to search a book's table of contents summary or index ○
- m Ability to know if a book is checked out ○
- n Ability to tell where a book is located in the library ○
- o None ○

45 Select up to FOUR computer catalog service improvements you would like the library to make:

- a More terminals ○
- b Terminals at locations other than near the card catalog ○
- c Terminals at places other than library buildings ○
- d A chart of commands posted at the terminal ○
- e A manual or brochure at the terminal ○
- f An instruction manual for purchase ○
- g Training sessions ○
- h Slide tape cassette training program ○
- i None ○

46 Select up to FOUR kinds of material you would like to see added to the computer catalog

- a Dissertations ○
- b Motion picture films ○
- c Government publications ○
- d Journal or magazine titles ○
- e Maps ○
- f Manuscripts ○
- g Music scores ○
- h Newspapers ○
- i Phonograph records or tapes ○
- j Technical reports ○
- k More of the library's older books ○
- l None ○
- m Other ○

47. BRIEFLY DESCRIBE ANY OTHER PROBLEMS WITH THIS COMPUTER CATALOG OR CHANGES YOU WOULD LIKE MADE TO IT: ○

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PART 4: ABOUT YOURSELF

INSTRUCTIONS: Your responses are confidential. Please do not write your name anywhere on this questionnaire.

48. I come to this library:

a Daily ○
b Weekly ○
c Monthly ○
d About four times a year ○
e About once a year ○
f Not before today ○

49. I use this computer catalog:

a Every library visit ○
b Almost every visit ○
c Occasionally ○
d Rarely ○
e Not before today ○

50. I use this library's book, card or microfilm catalog:

a Every visit ○
b Almost every visit ○
c Occasionally ○
d Rarely ○
e Never ○

51. I use a computer system other than the library's computer catalog:

a Daily ○
b Weekly ○
c Monthly ○
d About four times a year ○
e About once a year ○
f Never ○

52. I first heard about this computer catalog from: (Mark ONE only)

a Noticing a terminal in the library ○
b Library tour, orientation or demonstration ○
c An article or written announcement ○
d A course instructor ○
e A friend or family member ○
f Library staff ○

53. I learned how to use this computer catalog: (Mark ALL that apply)

a From a friend or someone at a nearby terminal ○
b Using printed instructions ○
c Using instructions on the terminal screen ○
d From the library staff ○
e From a library course or orientation ○
f From a slide tape cassette program ○
g By myself without any help ○

54. My age group is:

a 14 and under ○
b 15 - 19 years ○
c 20 - 24 years ○
d 25 - 34 years ○
e 35 - 44 years ○
f 45 - 54 years ○
g 55 - 64 years ○
h 65 and over ○

55. I am:

a Female ○
b Male ○

56. Mark your current or highest educational level: (Mark ONE only)

a Grade School or Elementary School ○
b High School or Secondary School ○
c Some College or University ○
d College or University Graduate ○

If you are not completing this questionnaire at a college or university, please stop here. Thank you.

If you are completing this questionnaire at a college or university, please continue.

57. The category that best describes my academic area is: (Mark ONE only)

a Arts and Humanities ○
b Physical/Biological Sciences ○
c Social Sciences ○
d Business/Management ○
e Education ○
f Engineering ○
g Medical/Health Sciences ○
h Law ○
i Major not declared ○
j Interdisciplinary ○

58. The main focus of my academic work at the present time is:
(Mark ALL that apply)

a Course Work ○
b Teaching ○
c Research ○

59. My present affiliation with this college or university is:

a Freshman/Sophomore ○
b Junior/Senior ○
c Graduate - masters level ○
d Graduate - doctoral level ○
e Graduate - professional school ○
f Faculty ○
g Staff ○
h Other ○

Thank you for participating in this study of the computer catalog. This completes the questionnaire. Please return it.

SUPPLEMENTARY QUESTIONNAIRE ITEMS

60 ○○○○○○○○○○○○○○○
61 ○○○○○○○○○○○○○○○
62 ○○○○○○○○○○○○○○○
63 ○○○○○○○○○○○○○○○
64 ○○○○○○○○○○○○○○○

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TERM I.D

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○ Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ Ⓙ Ⓚ Ⓛ Ⓜ Ⓝ Ⓞ Ⓟ Ⓠ Ⓡ Ⓢ Ⓣ Ⓤ Ⓥ Ⓦ Ⓧ Ⓨ Ⓩ ⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

DATE

MO: ⓪ ① | ⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
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YR: ⑧ ⑨ | ⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

TIME

HR: ⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ | ⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
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DATA COLL

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TERM LOC

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LIBRARY SYSTEM

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VERIFIED: ☐

BY: ____________________

DATE: ____________________

DO NOT WRITE IN THIS AREA 10886

QUESTIONNAIRE FOR COMPUTER CATALOG USERS

Please circle the answer you think is most appropriate and complete the statements.

1. When I use the computer catalog, I consider a search to be successful if: (please answer in a specific and concise statement)

____

____

2. Compare the success of the computer and card catalogs as a place to search:

   a. computer catalog more successful
   b. card catalog more successful
   c. they are equal
   d. neither catalog successful

3. In general, do you look in both the computer and card catalogs to complete your searches?

   yes
   no

4. I am affiliated with:

   a. New York University
   b. The Cooper Union
   c. The New School
   d. Parsons School of Design
   e. Hebrew Union
   f. other university
   g. other

THANK YOU

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LIBRARY CATALOG STUDY

USER QUESTIONNAIRE

The Library is conducting a study of its catalogs to improve them. This questionnaire is a way to communicate your views. It should take you only about 15 minutes to complete. Your responses are confidential. Please do not write your name anywhere on the questionnaire. Try to put in the information as closely as you remember it. Thank you.

MARKING INSTRUCTIONS

USE A NO. 2 PENCIL ONLY.

PLEASE CIRCLE THE CORRECT ANSWER OR ENTER THE INFORMATION REQUESTED

BE SURE TO ERASE CLEANLY ANY MARKS YOU WISH TO CHANGE.

MAKE NO STRAY MARKS ON THIS QUESTIONNAIRE.

CARD CATALOG STUDY

Please answer the following questions about the first search that you conducted in your use of the card catalog. If you have conducted more than one search, please follow the instructions in Question 100.

100. What kind of information were you trying to find? First please check as many of the following as apply; then follow the questions and instructions in each of Boxes A-E whose letter you have checked here: (if you have conducted more than one search, use the box closest to the top of the list)

Any books by a specific author ....( )Box C
One specific book, journal or magazine.....................( )Box A-1
Two or more specific books, journals or magazines..........( )Box A-2
Any books, journals or magazines on a topic or subject.....( )Box B
Supplementary information about a specific book, such as its publisher, date, spelling of a name,etc............( )Box D
Information not covered by above categories................( )Box E

A-1 ( ) One specific book, journal, or magazine

110. Author: ______________________________

Title: ______________________________

111. Did you find it listed in the catalog?
( ) YES:—Go TO Question 700
( ) NO :—GO TO Question 800

A-2 ( ) Two or more specific books, journals, or magazines

Sometimes we search for several books in order to see the entries for all of them; sometimes we merely wish to see the first entry that turns up. In the search which you just left:

120. How long a list were you actually trying to end up with? ______________ (Number of desired books or journals)

121. And of these entries how many did you end up with? ______________ (Number of books or journals found listed)

122. If you ended up with a shorter list than intended, please identify one of the books or journals you failed to find listed:

Author: ______________________________

Title: ______________________________

GO TO Question 600

B. ( ) **Any books, journals, or magazines on a topic or subject**

130. What was the topic or subject? Describe it sufficiently so that any book that matches your description would be one which you would have wanted to have on your list.

____

____

____

131. How many of such books or journals did you find listed? ____________

IF NONE, GO TO Question 800. OTHERWISE GO TO Question 600.

C. ( ) **Any books by a specific author**

140. The author's name: ________________________________

141. Were you trying to find: —

( ) One or more specific books you knew this author had written?
IF SO, PLEASE ANSWER THE QUESTIONS UNDER A-1 OR A-2 ABOVE, EVEN IF YOU HAD NOT KNOWN THE TITLE OF THE BOOK(S).

( ) Any books at all by the author? (CHECK HERE, THEN GO TO Q.144)

( ) Any books by that author, provided they dealt with a certain subject and/or met certain other requirements?

DESCRIBE THE SUBJECT AND/OR OTHER REQUIREMENTS SUFFICIENTLY SO THAT ANY BOOK THAT MATCHES YOUR DESCRIPTION WOULD BE THE ONE WHICH YOU WOULD HAVE WANTED TO HAVE ON YOUR LIST:

142. subject: ____

____

143. other requirements: ____________________________________

____

144. How many such books did you find listed? ____________
IF NONE, GO TO Question 800. OTHERWISE GO TO Question 600.

D. ( ) Supplementary information about a specific book, such as its publisher, date, spelling of name, etc.

154. Did the catalog give you the information you sought:—

( ) fully
( ) partially
( ) not at all

GO TO Question 800

E. ( ) I tried to find some information not covered by Boxes A-D above.

160. PLEASE INDICATE BELOW WHAT INFORMATION YOU SOUGHT, AND TO WHAT EXTENT YOU FOUND IT.

____

____

____

NOW PLEASE GO TO Question 800.

600. Please identify one of these books or journals which you did find listed (if any):

Author: ______________________________

Title: ______________________________

700. Did you note down its call number?

( ) Yes: — What is it? ____________________

( ) No: — Why not ____________________

800. Are you planning to do anything else to get (more of) the information you sought in this search?

( ) Yes: — What? CHECK ALL THAT APPLY:

801.
( ) search (AGAIN) IN BOBCAT
( ) search (AGAIN) IN THE CARD CATALOG
( ) ask a librarian for help
( ) try to find the book outside the library
( ) Other (PLEASE INDICATE WHAT: ____________________
____

( ) No

850. When you started this CARD CATALOG search what was your first entry? CHECK ONE CATEGORY BELOW, AND ADD WHAT YOU ENTERED:

TIL— ______________________________ TITLE

AUT— ______________________________ AUTHOR

AUT/TIL ____________________ AUTHOR ____________________ TITLE

SUB— ______________________________ SUBJECT

851. Did it take any additional entries of authors, titles, subjects or keywords, to obtain the information you described in whichever box you completed above?

( ) Yes:
852. — About how many additional entries did it take ? ____________

( ) No

FOR ALL SEARCHES (BOBCAT & CARD CATALOG):

860. Did you have to end your search before it was completed because you ran out of time?
( ) Yes
( ) No

861. Was this search your only catalog search for this particular information?

( ) Yes: — **SKIP TO QUESTION 870**
( ) No: — **ANSWER QUESTION 865 and 866**

865. I also searched for this same information:
(CHECK AS MANY AS APPLY):

( ) In the other [computer] catalog during this same visit to the library
( ) In the card catalog at an earlier time
( ) In BOBCAT at an earlier time

866. Which catalog did you use first to search for this information?

( ) Card catalog
( ) BOBCAT

870. Why did you decide to start your search in that catalog?

( ) I generally prefer that catalog, because ______________________________

( ) I thought that catalog was more suitable for this particular search because

____

( ) The other catalog looked too busy or was inaccessible at that time ________

____

( ) Other reason: ____

871. If you have used BOBCAT, when was the first time?

( ) After 1/31/84
( ) Spring 83 - Jan 84
( ) Earlier
( ) Never

NOW PLEASE COMPLETE PART II WHICH GIVES US SOME GENERAL INFORMATION ABOUT YOUR SEARCH AND ABOUT YOU. YOU ARE MORE THAN HALFWAY THROUGH.

PART II: ABOUT YOUR MOST RECENT SEARCH

INSTRUCTIONS: Please answer these questions about the card catalog search you just completed.

1. I came to this card catalog with:
   (Mark ALL that apply)

   a. A complete author's name.......
   b. Part of an author's name.......
   c. A complete title...............
   d. Part of a title................
   e. A topic word or words..........
   f. A subject heading or headings..
   g. A complete call number.........
   h. Part of a call number..........

2. By searching this card catalog I was trying to find:
   (Mark ALL that apply)

   a. A specific book, journal, or magazine.
   b. Books, journals or magazines on a topic or subject.......................
   c. Books by a specific author............
   d. Information such as publisher, date, spelling of a name etc................
   e. If a book that I know the library has is available for my use...............
   f. Another library that has a book, journal or magazine that I want..............

3. I searched for what I wanted by:
   (Mark ALL that apply)

   a. A complete author's name.......
   b. Part of an author's name.......
   c. A complete title...............
   d. Part of a title................
   e. A topic word or words..........
   f. A subject heading or headings..

4. I need this information for:
(Mark ALL that apply)

- a. Recreational uses..............
- b. Marking or fixing something....
- c. My work or job.................
- d. Personal interest..............
- e. A hobby........................
- f. Class or course reading........
- g. A course paper or report.......
- h. A thesis or dissertation.......
- i. Writing for publication........
- j. Teaching or planning a course..
- k. Keeping up on a topic or subject........................

5. In this card catalog search I found:
(Mark ONE only)

- a. More than I was looking for....
- b. All that I was looking for.....
- c. Some of what I was looking for.
- d. Nothing I was looking for......

6. In relation to what I was looking for, this card catalog search was:
(Mark ONE only)

- a. Very satisfactory................
- b. Somewhat satisfactory............
- c. Somewhat unsatisfactory..........
- d. Very unsatisfactory..............

7. I came across things of interest other than what I was looking for:

- a. Yes.............................
- b. NO..............................

8. I got help in doing this card catalog search from:
(Mark ALL that apply)

- a. Printed material or signs......
- b. Instructions in the catalog....
- c. Library staff member...........
- d. Person nearby..................
- e. I did not get help.............

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9. My overall or general attitude toward the card catalog is: (Mark ONE only)

   a. Very favorable.................
   b. Somewhat favorable.............
   c. Somewhat unfavorable...........
   d. Very unfavorable...............

10. Compared to the computer catalog in this library, the card catalog is (Mark ONE only)

   a. Better.........................
   b. About the same.................
   c. Worse..........................
   d. Can't decide...................

PART 2: YOUR EXPERIENCE WITH CARD CATALOG FEATURES

INSTRUCTIONS: Mark the single column for each question that corresponds most closely to how you feel. If the statement does not apply to your experience at the computer catalog, mark the column. "Does Not Apply."

	STRONGLY AGREE	AGREE	NEITHER AGREE NOR DISAGREE	DISAGREE	STRONGLY DISAGREE	DOES NOT APPLY
11. A search by title is difficult......................						
12. A search by author is easy..........................						
13. A search by subject is difficult....................						
14. A search by combined author title is difficult.......						
15. Finding the correct subject term is difficult........						
16. Tracking through a long search (forward or backward) is easy						
17. Understanding how to use the catalog is difficult.........						
18. Using codes or abbreviations for searching is easy........						
19. Abbreviations are easy to understand.....................						
20. Locating call numbers in the card catalog is difficult...						
21. Understanding a card for a single book, journal or magazine is easy						
22. Knowing what is included in the card catalog is easy to remember						
23. The order in which items are filed is easy to understand						
24. The time it takes to search the card catalog is too long						

	St. Agree	Agree	Neither	Disagree	St.Disagr	Apply
25. The availability of signs and brochures is adequate.......						
26. Signs and brochures are not very useful....................						
27. The staff advice is often not helpful..................						

28. BRIEFLY DESCRIBE ANY OTHER PROBLEMS WITH THIS CARD CATALOG OR CHANGES YOU WOULD LIKE MADE TO IT:

____

____

29. I come to this library:

a. Daily...
b. Weekly..
c. Monthly...
d. About four times a year...............................
e. About once a year.....................................
f. Not before today......................................

30. I use this card catalog:

a. Every library visit..................................
b. Almost every visit...................................
c. Occasionally...
d. Rarely...
e. Not before today.....................................

31. I learned how to use this library's card catalog:
(Mark ALL that apply)

a. From a friend or someone at the card catalog.............
b. Using printed instructions...............................
c. From the library staff...................................
d. From a library course or orientation.....................
e. From a slide tape cassette program.......................
f. By myself without any help...............................

OTHER LIBRARY CATALOGS:

32. I use this library's computer catalog:

a. Every visit...
b. Almost every visit....................................
c. Occasionally..
d. Rarely..
e. Never...

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33. I use a computer system other than the library's computer catalog:

  a. Daily
  b. Weekly
  c. Monthly
  d. About four times a year
  e. About once a year
  f. Never

34. I first heard about this library's computer catalog from:
(Mark ONE only)

  a. Noticing a terminal in the library
  b. Library tour, orientation or demonstration
  c. An article or written announcement
  d. A course instructor
  e. A friend or family member
  f. Library staff

35. My age group is:

  a. 14 and under
  b. 15 - 19 years
  c. 20 - 24 years
  d. 25 - 34 years
  e. 35 - 44 years
  f. 45 - 54 years
  g. 55 - 64 years
  h. 65 and over

36. I am:

  a. Female
  b. Male

37. Mark your current or highest educational level:
(Mark ONE only)

  a. Grade School or Elementary School
  b. High School or Secondary School
  c. Some college or University
  d. College or University Graduate

38. The category that best describes my academic area is:
(Mark ONE only)

  a. Arts and Humanities
  b. Physical/Biological Sciences
  c. Social Sciences
  d. Business/Management
  e. Education
  f. Engineering
  g. Medical/Health Sciences
  h. Law
  i. Major not declared
  j. Interdisciplinary

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39. The main focus of my academic work at the present time is: (Mark ALL that apply)

a. Course Work..
b. Teaching..
c. Research..

40. My present affiliation with this college or university is:

a. Freshman/Sophomore..
b. Junior/Senior..
c. Graduate - masters level..
d. Graduate - doctoral level..
e. Graduate - professional school..
f. Faculty..
g. Staff..
h. Other..

41. When I use the card catalog, I consider a search to be successful if: (please answer in a specific and concise statement)

____

____

42. Compare the success of the computer and card catalogs as a place to search:

a. computer catalog more successful
b. card catalog more successful
c. they are equal
d. neither catalog successful

43. In general, do you look in both the computer and card catalogs to complete your searches?

yes
no

44. I am affiliated with:

a. New York University
b. The Cooper Union
c. The New School
d. Parsons School of Design
e. Hebrew Union
f. other university
g. other

THANK YOU

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DATE:

DATA COLLECTOR INITIALS:

TERMINAL IDENTIFICATION:

TIME:

NOTES OR COMMENTS:

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LIBRARY CATALOG STUDY

USER QUESTIONNAIRE

The Library is conducting a study of its catalogs to improve them. This questionnaire is a way to communicate your views. It should take you only about 15 minutes to complete. Your responses are confidential. Please do not write your name anywhere on the questionnaire. Try to put in the information as closely as you remember it. Thank you.

MARKING INSTRUCTIONS

USE A NO. 2 PENCIL ONLY.

PLEASE CIRCLE THE CORRECT ANSWER OR ENTER THE INFORMATION REQUESTED

BE SURE TO ERASE CLEANLY ANY MARKS YOU WISH TO CHANGE.

MAKE NO STRAY MARKS ON THIS QUESTIONNAIRE.

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BOBCAT STUDY

Please answer the following questions about the first search that you conducted in your use of the Bobcat. If you have conducted more than one search, please follow the instructions in Question 100.

100. What kind of information were you trying to find? First please check as many of the following as apply; then follow the questions and instructions in each of Boxes A-E whose letter you have checked here: (if you have conducted more than one search, use the box closest to the top of the list)

Any books by a specific author ....( )Box C
One specific book, journal or magazine....................( )Box A-1
Two or more specific books, journals or magazines..........( )Box A-2
Any books, journals or magazines on a topic or subject.....( )Box B
Supplementary information about a specific book, such as its publisher, date, spelling of a name,etc............( )Box D
Information not covered by above categories................( )Box E

A-1 ( ) One specific book, journal, or magazine

110. Author: ________________________________

Title: ________________________________

111. Did you find it listed in the catalog?
( ) YES:—**Go TO Question 700**
( ) NO :—**GO TO Question 800**

A-2 ( ) Two or more specific books, journals, or magazines

Sometimes we search for several books in order to see the entries for all of them; sometimes we merely wish to see the first entry that turns up. In the search which you just left:

120. How long a list were you actually trying to end up with? ______________
(Number of desired books or journals)

121. And of these entries how many did you end up with? ______________
(Number of books or journals found listed)

122. If you ended up with a shorter list than intended, please identify one of the books or journals you failed to find listed:

Author: ________________________

Title: ________________________

GO TO Question 600

B. ( ) Any books, journals, or magazines on a topic or subject

130. What was the topic or subject? Describe it sufficiently so that any book that matches your description would be one which you would have wanted to have on your list.

____

____

____

131. How many of such books or journals did you find listed? ____________

IF NONE, GO TO Question 800. OTHERWISE GO TO Question 600.

C. ( ) Any books by a specific author

140. The author's name: ________________________________

141. Were you trying to find: —

( ) One or more specific books you knew this author had written?
IF SO, PLEASE ANSWER THE QUESTIONS UNDER A-1 OR A-2 ABOVE,
EVEN IF YOU HAD NOT KNOWN THE TITLE OF THE BOOK(S).

( ) Any books at all by the author? (CHECK HERE, THEN GO TO Q.144)

( ) Any books by that author, provided they dealt with a certain subject and/or met certain other requirements?

DESCRIBE THE SUBJECT AND/OR OTHER REQUIREMENTS SUFFICIENTLY SO THAT ANY BOOK THAT MATCHES YOUR DESCRIPTION WOULD BE THE ONE WHICH YOU WOULD HAVE WANTED TO HAVE ON YOUR LIST:

142. subject: ________________________________

____

143. other requirements: ________________________________

____

144. How many such books did you find listed? ____________
IF NONE, GO TO Question 800. OTHERWISE GO TO Question 600.

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D. ( ) Supplementary information about a specific book, such as its publisher, date, spelling of name, etc.

154. Did the catalog give you the information you sought:—

( ) fully
( ) partially
( ) not at all

GO TO Question 800

E. ( ) I tried to find some information not covered by Boxes A-D above.

160. PLEASE INDICATE BELOW WHAT INFORMATION YOU SOUGHT, AND TO WHAT EXTENT YOU FOUND IT.

____

____

____

NOW PLEASE GO TO Question 800.

600. Please identify one of these books or journals which you did find listed (if any):

Author: ______________________________

Title: ______________________________

700. Did you note down its call number?

( ) Yes: — What is it? ______________________

( ) No: — Why not ______________________________

800. Are you planning to do anything else to get (more of) the information you sought in this search?

( ) Yes: — What? CHECK ALL THAT APPLY:

801.
( ) search (AGAIN) IN BOBCAT
( ) search (AGAIN) IN THE CARD CATALOG
( ) ask a librarian for help
( ) try to find the book outside the library
( ) Other (PLEASE INDICATE WHAT: ______________________
____

( ) No

850. When you started this BOBCAT search what was your first entry?
CHECK ONE CATEGORY BELOW, AND ADD WHAT YOU TYPED IN:

TIL— ______________________________
TITLE, as you first typed it in

AUT— ______________________________
AUTHOR, as you first typed it in

AUT/TIL ______________________ ______________________
AUTHOR, as you first typed it in TITLE, as you first typed it in

SUB— ______________________________
SUBJECT, as you first typed it in

NUM— ______________________________
NUMBER, as you typed it in

KEY— ______________________________
KEYWORD, as you typed it in

851. Did it take any additional entries of authors, titles, subjects or keywords, to obtain the information you described in whichever box you completed above?

( ) Yes:
852. — About how many additional entries did it take ? ____________

( ) No

FOR ALL SEARCHES (BOBCAT & CARD CATALOG):

860. Did you have to end your search before it was completed because you ran out of time?

( ) Yes
( ) No

861. Was this search in [BOBCAT] your only catalog search for this particular information?

( ) Yes: — **SKIP TO QUESTION 870**
( ) No: — **ANSWER QUESTION 865 and 866**

865. I also searched for this same information:
(CHECK AS MANY AS APPLY):

( ) In the other [card] catalog during this same visit to the library
( ) In the card catalog at an earlier time
( ) In BOBCAT at an earlier time

866. Which catalog did you use first to search for this information?

( ) Card catalog
( ) BOBCAT

870. Why did you decide to start your search in that catalog?

( ) I generally prefer that catalog, because ______________________________

( ) I thought that catalog was more suitable for this particular search because

____

( ) The other catalog looked too busy or was inaccessible at that time _______

____

( ) Other reason: ______________________________________

871. When did you use BOBCAT for the first time?

( ) After 1/31/84
( ) Spring 83 - Jan 84
( ) Earlier
( ) Never

NOW PLEASE COMPLETE PART II WHICH GIVES US SOME GENERAL INFORMATION ABOUT YOUR SEARCH AND ABOUT YOU. YOU ARE MORE THAN HALFWAY THROUGH.

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PART II: ABOUT YOUR MOST RECENT SEARCH

INSTRUCTIONS: Please answer these questions about the computer catalog search you just completed.

1. I came to this computer search with:
   (Mark ALL that apply)

   a. A complete author's name.......
   b. Part of an author's name.......
   c. A complete title...............
   d. Part of a title................
   e. A topic word or words..........
   f. A subject heading or headings..
   g. A complete call number.........
   h. Part of a call number..........

2. By searching this computer catalog I was trying to find:
   (Mark ALL that apply)

   a. A specific book, journal, or magazine.
   b. Books, journals or magazines on a topic or subject......................
   c. Books by a specific author............
   d. Information such as publisher, date, spelling of a name etc................
   e. If a book that I know the library has is available for my use...............
   f. Another library that has a book, journal or magazine that I want..............

3. I searched for what I wanted by:
   (Mark ALL that apply)

   a. A complete author's name.......
   b. Part of an author's name.......
   c. A complete title...............
   d. Part of a title................
   e. A topic word or words..........
   f. A subject heading or headings..

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4. I need this information for:
(Mark ALL that apply)

a. Recreational uses..............
b. Making or fixing something....
c. My work or job.................
d. Personal interest..............
e. A hobby........................
f. Class or course reading........
g. A course paper or report.......
h. A thesis or dissertation.......
i. Writing for publication........
j. Teaching or planning a course..
k. Keeping up on a topic or subject........................

5. In this computer search I found:
(Mark ONE only)

a. More than I was looking for....
b. All that I was looking for.....
c. Some of what I was looking for.
d. Nothing I was looking for......

6. In relation to what I was looking for, this computer search was:
(Mark ONE only)

a. Very satisfactory................
b. Somewhat satisfactory............
c. Somewhat unsatisfactory..........
d. Very unsatisfactory..............

7. I came across things of interest other than what I was looking for:

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a. Yes..............................
b. No...............................

8. I got help in doing this computer catalog search from:
(Mark ALL that apply)

a. Printed material or signs..................
b. Instructions on the terminal screen........
c. Library staff member.......................
d. Person nearby..............................
e. I did not get help.........................

9. My overall or general attitude toward the computer catalog is: (Mark ONE only)

a. Very favorable................
b. Somewhat favorable.............
c. Somewhat unfavorable...........
d. Very unfavorable...............

10. Compared to the card, book or microfiche catalog in this library, the computer catalog is (Mark ONE only)

a. Better.........................
b. About the same.................
c. Worse..........................
d. Can't decide...................

11. **BRIEFLY DESCRIBE ANY OTHER PROBLEMS WITH THIS COMPUTER CATALOG OR CHANGES YOU WOULD LIKE MADE TO IT:**

____

____

12. I come to this library:

a. Daily..
b. Weekly...
c. Monthly..
d. About four times a year..........................
e. About once a year................................
f. Not before today.................................

13. I use this computer catalog:

a. Every library visit..............................
b. Almost every visit...............................
c. Occasionally.....................................
d. Rarely...
e. Not before today.................................

14. I learned how to use this library's computer catalog: (Mark ALL that apply)

a. From a friend or someone at the card catalog.............
b. Using printed instructions...............................
c. From the library staff...................................
d. From a library course or orientation.....................
e. From a slide tape cassette program.......................
f. By myself without any help...............................

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OTHER LIBRARY CATALOGS:

15. I use a computer system other than the library's computer catalog:

    a. Daily
    b. Weekly
    c. Monthly
    d. About four times a year
    e. About once a year
    f. Never

16. I first heard about this library's computer catalog from:
    (Mark ONE only)
    a. Noticing a terminal in the library
    b. Library tour, orientation or demonstration
    c. An article or written announcement
    d. A course instructor
    e. A friend or family member
    f. Library staff

17. My age group is:

    a. 14 and under
    b. 15 - 19 years
    c. 20 - 24 years
    d. 25 - 34 years
    e. 35 - 44 years
    f. 45 - 54 years
    g. 55 - 64 years
    h. 65 and over

18. I am:

    a. Female
    b. Male

19. Mark your current or highest educational level:
    (Mark ONE only)

    a. Grade School or Elementary School
    b. High School or Secondary School
    c. Some college or University
    d. College or University Graduate

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20. The category that best describes my academic area is:
(Mark ONE only)

a. Arts and Humanities
b. Physical/Biological Sciences
c. Social Sciences
d. Business/Management
e. Education
f. Engineering
g. Medical/Health Sciences
h. Law
i. Major not declared
j. Interdisciplinary

21. The main focus of my academic work at the present time is:
(Mark ALL that apply)

a. Course Work
b. Teaching
c. Research

22. My present affiliation with this college or university is:

a. Freshman/Sophomore
b. Junior/Senior
c. Graduate - masters level
d. Graduate - doctoral level
e. Graduate - professional school
f. Faculty
g. Staff
h. Other

23. When I use the computer catalog, I consider a search to be successful if: (please answer in a specific and concise statement)

____

____

24. Compare the success of the computer and card catalogs as a place to search:

a. computer catalog more successful
b. card catalog more successful
c. they are equal
d. neither catalog successful

25. In general, do you look in both the computer and card catalogs to complete your searches?

yes
no

26. I am affiliated with:

a. New York University
b. The Cooper Union
c. The New School
d. Parsons School of Design
e. Hebrew Union
f. other university
g. other

THANK YOU

DATE:

DATA COLLECTOR INITIALS:

TERMINAL IDENTIFICATION:

TIME:

NOTES OR COMMENTS:

CATALOG INTERVIEW

HELLO, I AM "X"

NEW YORK UNIVERSITY IS PART OF A NATIONAL STUDY OF LIBRARY CATALOGS—WOULD YOU BE WILLING TO HELP US GATHER INFORMATION?

IF YES

MAY I OBSERVE THE STEPS YOU TAKE AS YOU LOOK THROUGH THE CATALOG?

IT IS IMPORTANT THAT I DON'T INTERFERE WITH THE WAY YOU WORK, PLEASE PROCEED AS IF I WERE NOT HERE. I MAY NEED, HOWEVER, TO INTERRUPT OCCASIONALLY TO ASK YOU TO EXPLAIN SOME OF YOUR STEPS.

AFTER YOUR SEARCH, I WILL ASK SOME ADDITIONAL QUESTIONS. LET ME ASSURE YOU THAT ALL OF THE INFORMATION YOU SHARE WILL BE CONFIDENTIAL AND THAT WE ARE NOT CONCERNED WITH THE TOPIC OF YOUR SEARCH BUT WITH THE PROCESS BY WHICH YOU CONDUCTED YOUR SEARCH. (IF THEY ASK) THE INTERVIEW SHOULD NOT TAKE TOO LONG.

NOW BEGIN FOLLOWING THE SEARCH.

PART I: I WILL NOW RECORD WHAT YOU ARE LOOKING FOR. AFTER MY FIRST QUESTION, PLEASE JUST PROCEED AS YOU USUALLY WOULD.

1. WHAT ARE YOU LOOKING FOR?

SEARCH TRACKING CONTINUED

PART II: NOW, WE WILL TO DISCUSS THE SEARCH YOU HAVE JUST FINISHED AND SOME QUESTIONS ABOUT THE LIBRARY. WE CAN MOVE TO ONE OF THE TABLES, IF YOU LIKE.

2. HOW DID YOU DECIDE TO LOOK FOR ______________________________ THE WAY THAT YOU DID? here you might need to probe on why a subject or keyword search: WAS YOUR SEARCH FOR A SUBJECT OR A TOPIC?

IF SEARCH WAS FOR A SUBJECT:
FOR THIS SEARCH, DID YOU REFER TO THE BOOKS CONTAINING THE LIBRARY OF CONGRESS SUBJECT HEADINGS?

IF YES, DO YOU GENERALLY USE THEM AND HOW DID YOU FIND OUT ABOUT THEM?

3. DID YOU BRING ANY INFORMATION WITH YOU TO HELP WITH YOUR SEARCH? IF YES WHAT?

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4. IF THE PERSON FOUND NOTHING, SKIP TO QUESTION 5

HOWEVER

IF IT IS CLEAR THAT THE PERSON FOUND SOMETHING IN THE SEARCH:

DID YOU FIND WHAT YOU WERE LOOKING FOR? (Try to probe here, if he/she did not find what he/she was looking for, was anything else found that was considered useful. We are interested in whether or not we can find out something about "serendipity" here.)

4.B IF YES, DID YOU FIND MORE THAN YOU WERE LOOKING FOR?

5. IN TERMS OF YOUR NEEDS, WHAT DO YOU CONSIDER TO BE A SUCCESSFUL SEARCH?

6. DO YOU CONSIDER THIS SEARCH TO BE SUCCESSFUL? (Again, probe yes or no, depending on how much information you already have)

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7. WHY DID YOU CHOOSE TO LOOK IN THIS CATALOG?

7.A IF A CARD CATALOG SEARCH, HAVE YOU EVER USED BOBCAT? (IF YES, HOW FREQUENTLY; IF NO, WHY NOT?)

8. IN TERMS OF SATISFACTION, WHAT IS YOUR GENERAL OR OVERALL ATTITUDE TOWARD THE CATALOG YOU SEARCHED IN? (or, ARE YOU GENERALLY SATISFIED WITH THE CATALOG YOU JUST SEARCHED IN -- PLEASE EXPLAIN)

8.A TOWARD THE LIBRARY?

9. HOW OFTEN DO YOU USE THIS LIBRARY?

9.A OTHER LIBRARIES? ASK WHAT TYPE, e.g., public, research, etc.

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10. ARE YOU:
A STUDENT
IF YES, ARE YOU:
FRESHMAN
SOPHMORE
JUNIOR
SENIOR
GRADUATE STUDENT, MA
GRADUATE STUDENT, PHD
GRADUATE STUDENT, PROFESSIONAL

MEMBER OF THE FACULTY

MEMBER OF THE STAFF

OTHER (please explain)

11. IS YOUR AFFILIATION WITH NYU?

IF NO, WHAT IS IT?

12. WHAT IS YOUR FIELD OF STUDY? OR IF NOT A STUDENT, YOUR FIELD OF INTEREST?

13. HOW OFTEN DO YOU USE THE BOBST LIBRARY CATALOGS?

14. DO YOU USE COMPUTERS? IF YES, WHAT TYPE AND HOW OFTEN?

15. MAY I ASK YOUR AGE?

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16. FINALLY, DO YOU HAVE ANY SUGGESTIONS REGARDING THE CATALOG?

16.A THE LIBRARY IN GENERAL?

17. IS THERE ANYTHING ABOUT THE STUDY THAT YOU WOULD LIKE TO ASK?

MAY I EXPLAIN TO YOU ABOUT THE STUDY?

THE LIBRARY IS PART OF A LARGE NATIONAL STUDY OF COMPUTER CATALOGS. DURING THE FIRST PHASE OF THE STUDY, WE ASKED USERS TO COMPLETE QUESTIONNAIRES REGARDING HOW SATISFIED THEY WERE WITH EITHER THE CARD OR THE COMPUTER CATALOGS. A SMALL NUMBER OF USERS (APPROXIMATELY 350) WERE ALSO ASKED ABOUT THE DETAILS OF THE TYPE OF SEARCH THEY CONDUCTED.

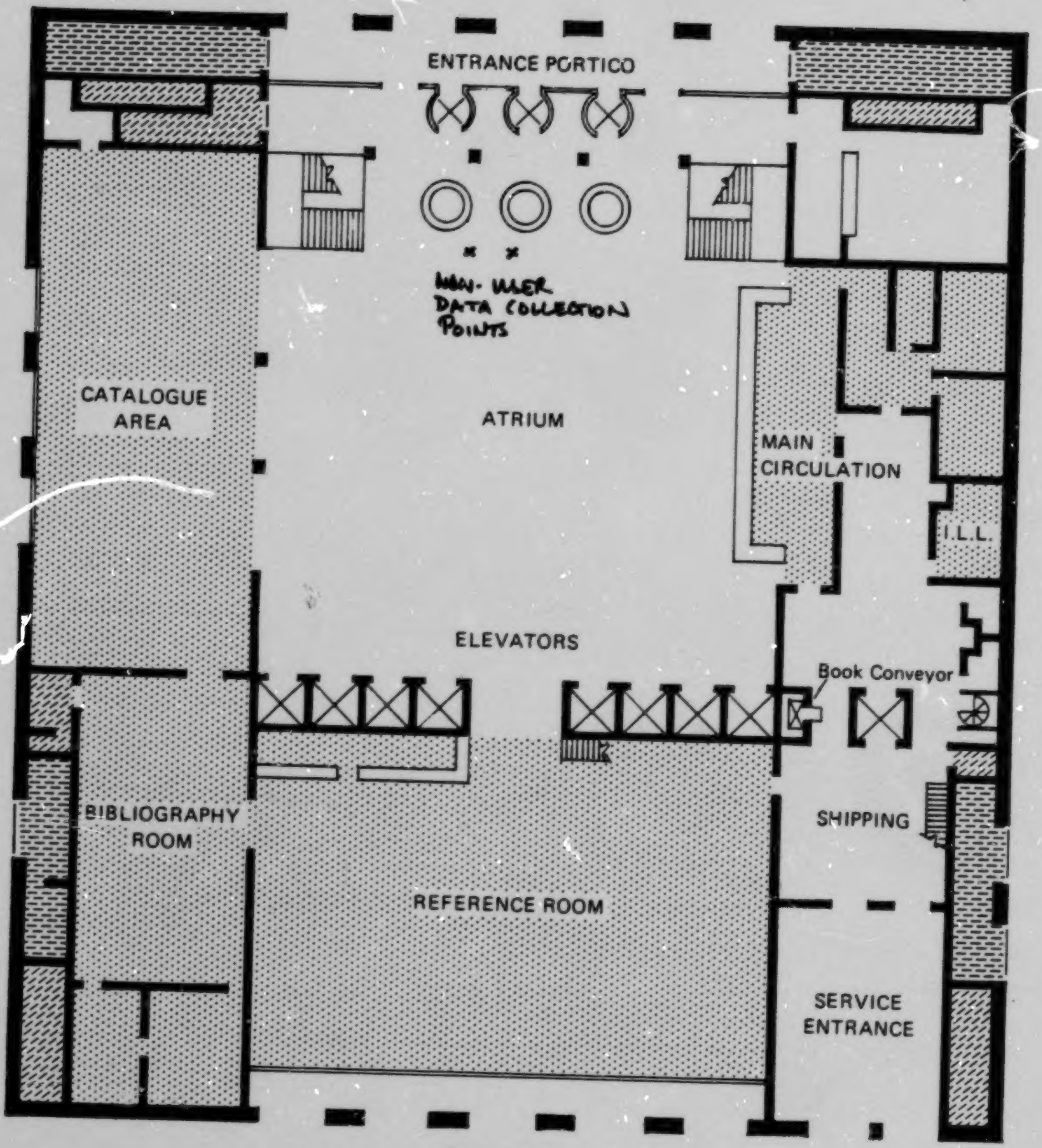
IN ORDER FOR US TO UNDERSTAND THE RESULTS OF THE STUDY, WE NEED TO OBTAIN MORE DETAILED INFORMATION ON THE TYPES OF SEARCHES THAT LIBRARY USERS CONDUCT AND ON THE WAYS IN WHICH THESE SEARCHES ARE ORGANIZED. THE INFORMATION WHICH YOU HAVE SHARED WITH US WILL BE USED TO COMPARE THE WAYS IN WHICH PEOPLE USE THE TWO CATALOGS. THE INFORMATION YOU HAVE SHARED WILL BE EVALUATED IN IMPROVING THE CATALOG AND OTHER SERVICES PROVIDED BY THE LIBRARY.

FINALLY, IF THERE IS ANYTHING THAT ONE OF THE LIBRARIANS CAN HELP YOU WITH, YOU CAN ASK THE PERSON AT THE INFORMATION DESK. THANK YOU AGAIN FOR YOUR COOPERATION.

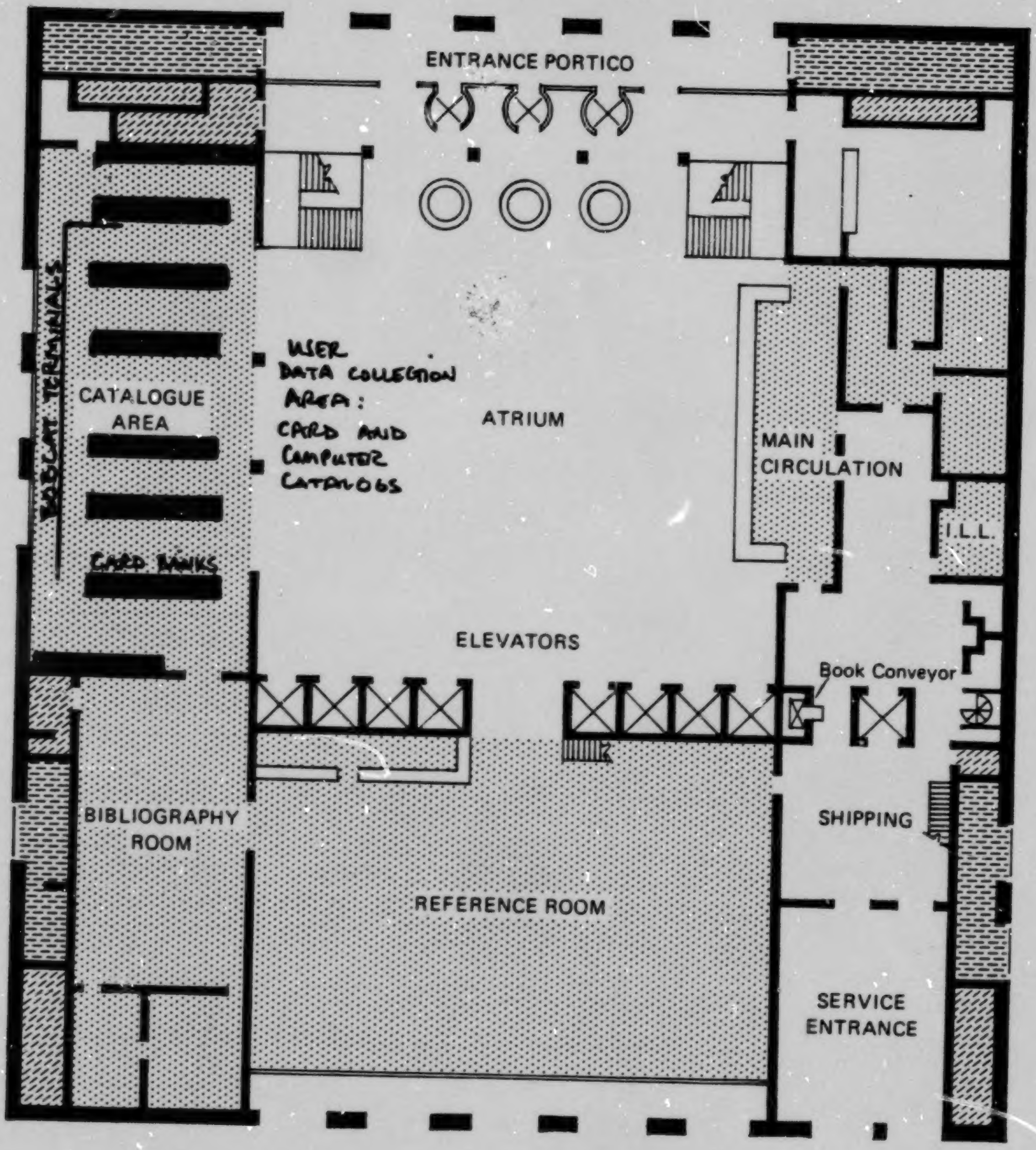
BEST COPY AVAILABLE

Appendix C

Maps of Catalog Location and Description of New York University Libraries


ENTRANCE PORTICO
x x
NON-USER DATA COLLECTION POINTS
CATALOGUE AREA
ATRIUM
MAIN CIRCULATION
I.L.L.
ELEVATORS
Book Conveyor
BIBLIOGRAPHY ROOM
SHIPPING
REFERENCE ROOM
SERVICE ENTRANCE

MAIN FLOOR


ENTRANCE PORTICO
BOBCAT TERMINALS
CATALOGUE AREA
USER DATA COLLECTION AREA: CARD AND COMPUTER CATALOGS
ATRIUM
MAIN CIRCULATION
I.L.L.
CARD BANKS
ELEVATORS
Book Conveyor
BIBLIOGRAPHY ROOM
SHIPPING
REFERENCE ROOM
SERVICE ENTRANCE

MAIN FLOOR

Brief Description of the Library in which the research took place and the appropriateness of the site for research.

The Libraries: Seven distinct libraries at the University contain nearly three million volumes.

The Elmer Holmes Bobst Library and Study Center-opened in 1973-is one of the largest open-stack research libraries in the nation. Designed for easy access, the library has nearly two million books, journals, microforms, and other materials located in stacks where students are free to browse. The library also has hundreds of study carrels interspersed among the open book stacks plus five major reading rooms; up to 4,200 students may comfortably study here at any one time.

Among the noteworthy resources of the Bobst Library are the collections in American and English literature and history, economics, education, science, music, United Nations documents, Near Eastern and Ibero-American languages and literatures, and Judaica and Hebraica, as well as the Tamiment Institute/Ben Josephson Library on the history of radicalism in the United States, the Wagner Archives on the history of the New York City labor movement, the Fales Library of English and American Literature since 1750, the Robert Frost Library, the Berol Collection of Lewis Carroll materials, and numerous rare books and manuscripts.

A computerized catalog, known as Bobcat for Bobst Library Catalog, provides access to approximately one-third of the libraries' holdings. In addition, the card catalog contains the records of the rest of the University's holdings, many of which will be added to Bobcat in the years ahead.

Both Bobcat and the card catalog are located on the main floor. Each floor has additional Bobcat terminals. Catalog assistance is available at the first floor information desk while reference assistance can be obtained in the first floor general reference area, in the Social Science Documents center on the seventh floor, and in the Science center on the ninth floor. The library also houses separate centers for music and media and language instruction.

The Law Library contains over 620,000 volumes and is strong in a variety of areas, including legal history, biography, jurisprudence and copyright, taxation, criminal, labor, business, and international law (including primary source materials of the United Nations and European Economic Community), plus emerging legal specialties such as urban affairs, poverty law, and consumerism.

The Frederick L. Ehrman Medical Library at the Medical Center contains more than 140,000 volumes and 1,800 periodicals. The Institute of Environmental Medicine at Sterling Forest also maintains a medical research library as do the Bellevue Hospital Center, the Goldwater Memorial Hospital, and the Veterans Administration Medical Center.

The John and Bertha E. Waldmann Memorial Library, at the Dental Center, contains over 32,000 bound, scholarly volumes, as well as one of the largest collections of rare books on dentistry in the country, including the Weinberger Collection, the Blum Collection, and the Mestel St. Appollonia Collection.

The Graduate Library of Business Administration contains over 104,000 volumes, all important business services, and over 100,000 microforms including stock exchange financial reports.

The Courant Institute of Mathematical Sciences Library has a specialized research collection of over 53,000 volumes in mathematics, computer science, and physics.

The Stephen Chan Library of Fine Arts is a reference collection of over 89,000 volumes in the history of art of all periods, classical archaeology, and the conservation of paintings and sculpture.

adm169

Appendix D

CLR User Data

```
SPSS BATCH SYSTEM                                                                                    10/26/84       PAGE    1

SPSS FOR OS/360, VERSION H, RELEASE 9A, SEPTEMBER 15, 1980

                                               CURRENT DOCUMENTATION FOR THE SPSS BATCH SYSTEM
ORDER FROM MCGRAW-HILL:  SPSS, 2ND ED. (PRINCIPAL TEXT)       ORDER FROM SPSS INC.:  SPSS STATISTICAL ALGORITHMS
                         SPSS PRIMER (BRIEF INTRO TO SPSS)                           SPSS POCKET GUIDE, RELEASE 8
                         SPSS UPDATE (USE W/SPSS,2ND FOR REL. 7 & 8)                 KEYWORDS: THE SPSS INC. NEWSLETTER


DEFAULT SPACE ALLOCATION..     ALLOWS FOR..  1536 TRANSFORMATIONS
WORKSPACE   1075200 BYTES                    6144 RECODE VALUES + LAG VARIABLES
TRANSPACE    153600 BYTES                   20000 IF/COMPUTE OPERATIONS

                  1 RUN NAME       NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA
                  2 GET FILE       FINAL


                              FILE FINAL    HAS 383 VARIABLES

                              THE SUBFILES ARE..

                                         NO OF
                              NAME       CASES

                              FINAL        859


CPU TIME REQUIRED..     1.03 SECONDS


                  3 ADD CASES      120
                  4 INPUT MEDIUM   DISK
                  5 INPUT FORMAT   BINARY  ( 18(20V/),20V)

THE INPUT FORMAT PROVIDES FOR 380 VARIABLES.  380 WILL BE READ
IT PROVIDES FOR 19 RECORDS ('CARDS') PER CASE.  A MAXIMUM OF   80 'COLUMNS' ARE USED ON A RECORD.

                  6 SELECT IF      (LIBSYS EQ 'NYU')
                  7 PRINT FORMATS  TERMID, DATACOL TO LIBSYS (A)
                  8 FREQUENCIES    GENERAL= LIBSYS, LIBTYPE, LIBGRP

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84       PAGE    2

FILE   FINAL    (CREATION DATE = 09/17/84)

LIBSYS    LIBRARY SYSTEM

                                                 RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE    FREQ     (PCT)     (PCT)     (PCT)

NEW YORK UNIV                    NYU     810      100.0     100.0     100.0
                                       ------    ------    ------
                                TOTAL    810      100.0     100.0

VALID CASES     810      MISSING CASES     0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                                  10/26/84        PAGE    3

FILE   FINAL    (CREATION DATE = 09/17/84)

LIBTYPE   LIBRARY GROUPING BY TYPE OF LIBRARY

                                                 RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE     FREQ     (PCT)     (PCT)     (PCT)

A.R.L. LIBS                       1.      810     100.0     100.0     100.0
                                        ------    ------    ------
                                TOTAL     810     100.0     100.0

VALID CASES     810      MISSING CASES     0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                              10/26/84      PAGE    4
FILE   FINAL    (CREATION DATE = 09/17/84)

LIBGRP    LIBRARY GROUPING BY PRINCIPAL INVESTIGAT

                                               RELATIVE  ADJUSTED    CUM
                                     ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                CODE     FREQ     (PCT)     (PCT)     (PCT)

                                0.      810     100.0    MISSING    100.0
                                      ------    ------    ------
                              TOTAL     810     100.0     100.0

VALID CASES       0      MISSING CASES   810
```

```
TRANSPACE REQUIRED..       100 BYTES
       1 TRANSFORMATIONS
       0 RECODE VALUES + LAG VARIABLES
       3 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED..    7.15 SECONDS


                    9 FREQUENCIES     GENERAL= YEAR,MONTH,DAY,HOUR,DATACOL,TERMID,TERMLOC
                   10 OPTIONS         6

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                         10/26/84       PAGE    6
FILE   FINAL    (CREATION DATE = 09/17/84)

YEAR      YEAR QUEST. FILLED OUT

                                                 RELATIVE   ADJUSTED    CUM
                                       ABSOLUTE    FREQ       FREQ      FREQ
CATEGORY LABEL                   CODE    FREQ     (PCT)      (PCT)     (PCT)

                                   0.       12      1.5        1.5       1.5

                                   4.        1      0.1        0.1       1.6

                                  80.        5      0.6        0.6       2.2

                                  83.       70      8.6        8.6      10.9

                                  84.      722     89.1       89.1     100.0
                                        ------   ------     ------
                                 TOTAL     810    100.0      100.0

VALID CASES     810      MISSING CASES     0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                      10/26/84        PAGE    7
FILE   FINAL    (CREATION DATE = 09/17/84)

MONTH     MONTH QUESTIONNAIRE FILLED OUT

                                            RELATIVE  ADJUSTED     CUM
                                  ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL              CODE    FREQ     (PCT)     (PCT)     (PCT)

                              0.       2      0.2       0.2       0.2

FEBRUARY                      2.      50      6.2       6.2       6.4

MARCH                         3.     150     18.5      18.5      24.9

APRIL                         4.     538     66.4      66.4      91.4

DECEMBER                     12.      70      8.6       8.6     100.0
                                  ------    ------    ------
                           TOTAL     810    100.0     100.0

VALID CASES     810      MISSING CASES     0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84         PAGE    8
FILE    FINAL     (CREATION DATE = 09/17/84)

DAY        DAY QUESTIONNAIRE FILLED OUT

                    ADJ  CUM                        ADJ  CUM                        ADJ  CUM
    CODE     FREQ  PCT  PCT      CODE      FREQ  PCT  PCT      CODE      FREQ  PCT  PCT

      0.        4    0    0        9.        49    6   36       19.        48    6   79
      2.       67    8    9       10.        50    6   42       20.         3    0   79
      3.       46    6   14       11.        48    6   48       22.         1    0   79
      4.       27    3   18       12.        50    6   54       28.        48    6   85
      5.       24    3   21       15.        53    7   60       29.        48    6   91
      6.       24    3   24       16.        50    6   67       30.        49    6   97
      7.       47    6   30       17.         1    0   67       31.        24    3  100
      8.        1    0   30       18.        48    6   73

VALID CASES      810       MISSING CASES      0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                   10/26/84        PAGE     9

FILE   FINAL    (CREATION DATE = 09/17/84)

HOUR      HOUR OF THE DAY Q. FILLED OUT

                                                  RELATIVE   ADJUSTED     CUM
                                       ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                 CODE      FREQ      (PCT)      (PCT)      (PCT)

                                 0.         1        0.1        0.1        0.1

                                 3.         1        0.1        0.1        0.2

                                 9.        21        2.6        2.6        2.8

                                10.        99       12.2       12.2       15.1

                                11.       148       18.3       18.3       33.3

                                12.        50        6.2        6.2       39.5

                                13.        76        9.4        9.4       48.9

                                14.       151       18.6       18.6       67.5

                                15.       112       13.8       13.8       81.4

                                16.        28        3.5        3.5       84.8

                                17.        24        3.0        3.0       87.8

                                18.        52        6.4        6.4       94.2

                                19.        36        4.4        4.4       98.6

                                20.        11        1.4        1.4      100.0
                                       ------     ------     ------
                               TOTAL      810      100.0      100.0

VALID CASES      810      MISSING CASES      0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84       PAGE   10
FILE   FINAL    (CREATION DATE = 09/17/84)

DATACOL   DATA COLLECTORS INITIALS


                                                RELATIVE  ADJUSTED     CUM
                                      ABSOLUTE    FREQ      FREQ       FREQ
CATEGORY LABEL                  CODE    FREQ     (PCT)     (PCT)      (PCT)

                                AH        35      4.3       4.3        4.3

                                AS         1      0.1       0.1        4.4

                                CC         1      0.1       0.1        4.6

                                CG        74      9.1       9.1       13.7

                                CS       170     21.0      21.0       34.7

                                CT       161     19.9      19.9       54.6

                                DH       111     13.7      13.7       68.3

                                DL         8      1.0       1.0       69.3

                                DS        35      4.3       4.3       73.6

                                FP         1      0.1       0.1       73.7

                                GP        60      7.4       7.4       81.1

                                JG         8      1.0       1.0       82.1

                                KK        24      3.0       3.0       85.1

                                MK        37      4.6       4.6       89.6

                                NK        36      4.4       4.4       94.1

                                SK        48      5.9       5.9      100.0
                                      ------    ------    ------
                                TOTAL    810    100.0     100.0

VALID CASES     810       MISSING CASES     0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding CBA                                 10/26/84       PAGE   11

FILE   FINAL    (CREATION DATE = 09/17/84)

TERMID    TERMINAL IDENTIFICATION CODE

                    ADJ  CUM                        ADJ  CUM                        ADJ  CUM
   CODE       FREQ  PCT  PCT      CODE        FREQ  PCT  PCT      CODE        FREQ  PCT  PCT

   08            1    0    0      07            69    9   38      14            44    5   94
   01           31    4    4      08            80   10   47      15            37    5   99
   02           33    4    8      09            74    9   57      16             6    1  100
   03           42    5   13      10            78   10   66      19             1    0  100
   04           37    5   18      11            68    8   75      71             1    0  100
   05           47    6   24      12            79   10   84
   06           44    5   29      13            38    5   89

VALID CASES      810       MISSING CASES      0
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

TERMLOC

                                                  RELATIVE   ADJUSTED    CUM
                                       ABSOLUTE     FREQ       FREQ      FREQ
CATEGORY LABEL                  CODE     FREQ      (PCT)      (PCT)     (PCT)

                                C           1        0.1        0.1       0.1

                                CC        803       99.1       99.1      99.3

                                OL          1        0.1        0.1      99.4

                                SC          4        0.5        0.5      99.9

                                SD          1        0.1        0.1     100.0
                                       ------     ------     ------
                               TOTAL      810      100.0      100.0

VALID CASES     810      MISSING CASES     0
```

```
CPU TIME REQUIRED..    5.11 SECONDS


               11 MULT RESPONSE  GROUPS= QUEST1 I CAME TO THE SEARCH WITH:
               12                  (QST1A TO QST1H (1))
               13                QUEST2  IN THIS SEARCH I WAS TRYING TO FIND:
               14                  (QST2A TO QST2F (1))
               15                QUEST3  I SEARCHED FOR WHAT I WANTED BY:
               16                  (QST3A TO QST3H (1))
               17                QUEST4  I NEED THIS INFORMATION FOR:
               18                  (QST4A TO QST4K (1))  /
               19                FREQUENCIES=QUEST1,QUEST2,QUEST3,QUEST4     /

'MULT RESPONSE' PROBLEM REQUIRES     308 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26872 LABELS FOR FREQUENCIES
AND  53752 LABELS FOR TABLES.
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84        PAGE   14
FILE    FINAL     (CREATION DATE = 09/17/84)
GROUP QUEST1     I CAME TO THE SEARCH WITH:
     (VALUE TABULATED =      1)

                                                                 PCT OF    PCT OF
DICHOTOMY LABEL                          NAME        COUNT    RESPONSES     CASES

COMPLETE AUTHOR                          QST1A         442        27.6      54.6

PART AUTHOR'S NAME                       QST1B         111         6.9      13.7

COMPLETE TITLE                           QST1C         338        21.1      41.7

PART TITLE                               QST1D          91         5.7      11.2

TOPIC WORD OR WORDS                      QST1E         218        13.6      26.9

SUBJECT HEADING                          QST1F         375        23.5      46.3

COMPLETE CALL NUMBER                     QST1G          18         1.1       2.2

PART CALL NUMBER                         QST1H           6         0.4       0.7
                                                   -------       -----     -----
                                 TOTAL RESPONSES      1599       100.0     197.4

      0 MISSING CASES           810 VALID CASES
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                            10/26/84       PAGE   15
FILE   FINAL    (CREATION DATE = 09/17/84)
GROUP QUEST2     IN THIS SEARCH I WAS TRYING TO FIND:
     (VALUE TABULATED =      1)

                                                              PCT OF   PCT OF
DICHOTOMY LABEL                          NAME       COUNT   RESPONSES  CASES

SPECIFIC BOOK ETC                        QST2A        427      35.1     53.0
BOOKS ON TOPIC                           QST2B        428      35.1     53.1
BOOKS BY SPEC AUTHOR                     QST2C        242      19.9     30.0
PUB-DATE-SPELLING                        QST2D         25       2.1      3.1
IF BOOK IS AVAILABLE                     QST2E         80       6.6      9.9
OTHER LIBRARY W BOOK                     QST2F         16       1.3      2.0
                                                  -------     -----    -----
     -                           TOTAL RESPONSES     1218     100.0    151.1

      4 MISSING CASES          806 VALID CASES
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                              10/26/84        PAGE  16

FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP QUEST3    I SEARCHED FOR WHAT I WANTED BY:
     (VALUE TABULATED =      1)

                                                                PCT OF   PCT OF
DICHOTOMY LABEL                           NAME        COUNT  RESPONSES   CASES

COMPLETE AUTHOR                           QST3A         413       25.8     51.1

PART AUTHOR'S NAME                        QST3B         128        8.0     15.8

COMPLETE TITLE                            QST3C         319       19.9     39.4

PART TITLE                                QST3D         118        7.4     14.6

TOPIC WORD OR WORDS                       QST3E         242       15.1     29.9

SUBJECT HEADINGS                          QST3F         358       22.4     44.3

COMPLETE CALL NUMBER                      QST3G          17        1.1      2.1

PART CALL NUMBER                          QST3H           4        0.3      0.5
                                                    -------      -----    -----
                                   TOTAL RESPONSES     1599      100.0    197.7

      1 MISSING CASES         809 VALID CASES
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84        PAGE   17

FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP QUEST4     I NEED THIS INFORMATION FOR:
     (VALUE TABULATED =      1)

                                                               PCT OF   PCT OF
DICHOTOMY LABEL                             NAME       COUNT  RESPONSES  CASES

RECREATIONAL USES                           QST4A         77      5.5      9.5

MAKE-FIX SOMETHING                          QST4B         17      1.2      2.1

WORK OR JOB                                 QST4C         98      7.0     12.1

PERSONAL INTEREST                           QST4D        179     12.8     22.2

HOBBY                                       QST4E         34      2.4      4.2

CLASS-COURSE READING                        QST4F        288     20.6     35.6

COURSE PAPER-REPORT                         QST4G        434     31.0     53.7

THESIS-DISSERTATION                         QST4H         89      6.4     11.0

PUBLICATION                                 QST4I         57      4.1      7.1

TEACHING A COURSE                           QST4J         25      1.8      3.1

KEEP UP ON TOPIC                            QST4K        102      7.3     12.6
                                                     -------    -----    -----
                                    TOTAL RESPONSES     1400    100.0    173.3

     2 MISSING CASES          808 VALID CASES
```

```
CPU TIME REQUIRED..    3.85 SECONDS


               20 FREQUENCIES    GENERAL = QST5 TO QST7
               21 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                               10/26/84        PAGE   19
FILE   FINAL    (CREATION DATE = 09/17/84)

QST5       IN THIS SEARCH I FOUND


                                                       RELATIVE  ADJUSTED     CUM
                                             ABSOLUTE    FREQ      FREQ       FREQ
CATEGORY LABEL                        CODE     FREQ     (PCT)     (PCT)      (PCT)

MORE   THAN                             1.      118      14.6      14.7       14.7

ALL OR  MOST                            2.      168      20.7      20.9       35.5

SOME                                    3.      370      45.7      46.0       81.5

NOTHING                                 4.      149      18.4      18.5      100.0

                                        0.        5       0.6    MISSING     100.0
                                             ------    ------    ------
                                     TOTAL      810     100.0     100.0


MEAN            2.683      STD ERR          0.033       MEDIAN         2.815
MODE            3.000      STD DEV          0.939       VARIANCE       0.881
KURTOSIS       -0.693      SKEWNESS        -0.399       RANGE          3.000
MINIMUM         1.000      MAXIMUM          4.000

VALID CASES       805      MISSING CASES        5
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84      PAGE  20
FILE   FINAL    (CREATION DATE = 09/17/84)

QST6       IN REL TO WHAT I WAS LOOKING FOR SEARCH

                                                    RELATIVE   ADJUSTED     CUM
                                          ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                     CODE     FREQ      (PCT)      (PCT)      (PCT)

VERY SATISFACTORY                    1.      325      40.1       40.3       40.3

SOMEWHAT SATISFACTOR                 2.      307      37.9       38.1       78.4

SOMEWHAT UNSATISFACT                 3.       73       9.0        9.1       87.5

VERY UNSATISFACTORY                  4.      101      12.5       12.5      100.0

                                     0.        4       0.5     MISSING     100.0
                                          ------    ------     ------
                                  TOTAL      810     100.0      100.0

MEAN          1.938      STD ERR         0.035       MEDIAN          1.754
MODE          1.000      STD DEV         0.996       VARIANCE        0.992
KURTOSIS     -0.253      SKEWNESS        0.888       RANGE           3.000
MINIMUM       1.000      MAXIMUM         4.000

VALID CASES     806      MISSING CASES       4
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE  21
FILE   FINAL    (CREATION DATE = 09/17/84)

QST7      CAME ACROSS OTHER THINGS OF INTEREST

                                                    RELATIVE  ADJUSTED    CUM
                                         ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                    CODE     FREQ      (PCT)     (PCT)     (PCT)

YES                                 1.      372      45.9      46.0      46.0

NO                                  2.      436      53.8      54.0     100.0

                                    0.        2       0.2    MISSING    100.0
                                         ------    ------    ------
                                 TOTAL      810     100.0     100.0

MEAN           1.540     STD ERR        0.018      MEDIAN         1.573
MODE           2.000     STD DEV        0.499      VARIANCE       0.249
KURTOSIS      -1.980     SKEWNESS      -0.159      RANGE          1.000
MINIMUM        1.000     MAXIMUM        2.000

VALID CASES      808     MISSING CASES      2
```

```
CPU TIME REQUIRED..     4.92 SECONDS


               22 MULT RESPONSE  GROUPS =QUEST8 I GOT HELP FROM:
               23                   (QST8A TO QST8E (1))  /
               24                 FREQUENCIES = QUEST8    /

'MULT RESPONSE' PROBLEM REQUIRES      64 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84        PAGE   23

FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP QUEST8    I GOT HELP FROM:
     (VALUE TABULATED =      1)

                                                              PCT OF    PCT OF
DICHOTOMY LABEL                        NAME        COUNT    RESPONSES    CASES

PRINTED MATTER-SIGNS                   QST8A         136       14.1       16.8

TERMINAL SCREEN INST                   QST8B         507       52.6       62.7

LIBRARY STAFF MEMBER                   QST8C          40        4.2        5.0

PERSON NEARBY                          QST8D          27        2.8        3.3

I DID NOT GET HELP                     QST8E         253       26.3       31.3
                                                 -------      -----      -----
                                TOTAL RESPONSES      963      100.0      119.2

     2 MISSING CASES          808 VALID CASES
```

```
CPU TIME REQUIRED..     3.40 SECONDS


                 25 FREQUENCIES     GENERAL= QST9, QST10
                 26 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

QST9      GENERAL ATTITUDE TOWARD COMPUTER CAT IS

                                                    RELATIVE  ADJUSTED     CUM
                                          ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                      CODE    FREQ     (PCT)     (PCT)     (PCT)

VERY FAVORABLE                        1.     506      62.5      62.5      62.5

SOMEWHAT FAVORABLE                    2.     246      30.4      30.4      93.0

SOMEWHAT UNFAVORABLE                  3.      42       5.2       5.2      98.1

VERY    UNFAVORABLE                   4.      15       1.9       1.9     100.0

                                      0.       1       0.1   MISSING     100.0
                                          ------    ------    ------
                                   TOTAL     810     100.0     100.0

MEAN          1.464     STD ERR        0.024      MEDIAN        1.299
MODE          1.000     STD DEV        0.681      VARIANCE      0.464
KURTOSIS      2.186     SKEWNESS       1.509      RANGE         3.000
MINIMUM       1.000     MAXIMUM        4.000

VALID CASES     809     MISSING CASES      1
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84        PAGE   26
FILE   FINAL    (CREATION DATE = 09/17/84)

QST10     COMPUTER CAT COMPARED TO OTHER CAT

                                                      RELATIVE   ADJUSTED     CUM
                                             ABSOLUTE   FREQ       FREQ       FREQ
CATEGORY LABEL                       CODE      FREQ     (PCT)      (PCT)      (PCT)

BETTER                                 1.       531      65.6       71.1       71.1

EQUAL                                  2.       118      14.6       15.8       86.9

WORSE                                  3.        98      12.1       13.1      100.0

                                       0.         7       0.9    MISSING      100.0

CAN'T   DECIDE                         4.        56       6.9    MISSING      100.0
                                             ------    ------     ------
                                    TOTAL       810     100.0      100.0

MEAN           1.420      STD ERR        0.026       MEDIAN         1.203
MODE           1.000      STD DEV        0.712       VARIANCE       0.507
KURTOSIS       0.357      SKEWNESS       1.378       RANGE          2.000
MINIMUM        1.000      MAXIMUM        3.000

VALID CASES      747      MISSING CASES     63
```

```
CPU TIME REQUIRED..     4.81 SECONDS


                27 FREQUENCIES     GENERAL= QST48 TO QST52
                28 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                        10/26/84        PAGE   28
FILE   FINAL    (CREATION DATE = 09/17/84)

QST48      I COME TO THIS LIBRARY

                                                       RELATIVE   ADJUSTED     CUM
                                             ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                        CODE     FREQ     (PCT)      (PCT)      (PCT)

DAILY                                   1.      237      29.3       30.5       30.5

WEEKLY                                  2.      379      46.8       48.8       79.3

MONTHLY                                 3.      108      13.3       13.9       93.2

4 TIMES YEAR                            4.       28       3.5        3.6       96.8

ONCE A  YEAR                            5.       12       1.5        1.5       98.3

NOT BEFORE TODAY                        6.       13       1.6        1.7      100.0

                                        0.       33       4.1    MISSING      100.0
                                              ------    ------     ------
                                     TOTAL      810     100.0      100.0

MEAN              2.019      STD ERR           0.036       MEDIAN             1.900
MODE              2.000      STD DEV           0.998       VARIANCE           0.996
KURTOSIS          3.535      SKEWNESS          1.568       RANGE              5.000
MINIMUM           1.000      MAXIMUM           6.000

VALID CASES         777      MISSING CASES      33
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84        PAGE

FILE    FINAL     (CREATION DATE = 09/17/84)

QST49      I USE THIS COMPUTER CATALOG

                                                      RELATIVE   ADJUSTED      CUM
                                           ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                     CODE      FREQ       (PCT)      (PCT)      (PCT)

EVERY    VISIT                       1.       174       21.5       22.3       22.3

MOST     VISITS                      2.       296       36.5       37.9       60.2

OCCASIONALLY                         3.       226       27.9       28.9       89.1

RARELY                               4.        41        5.1        5.2       94.4

NOT BEFORE TODAY                     5.        44        5.4        5.6      100.0

                                     0.        29        3.6     MISSING     100.0
                                            ------     ------     ------
                                  TOTAL       810      100.0      100.0

MEAN          2.341      STD ERR        0.038       MEDIAN        2.231
MODE          2.000      STD DEV        1.056       VARIANCE      1.115
KURTOSIS      0.233      SKEWNESS       0.709       RANGE         4.000
MINIMUM       1.000      MAXIMUM        5.000

VALID CASES     781      MISSING CASES     29
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                      10/26/84      PAGE   30
FILE   FINAL    (CREATION DATE = 09/17/84)

QST50     I USE LIB'S BK CRD OR MICRO CAT

                                                    RELATIVE  ADJUSTED     CUM
                                          ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                    CODE      FREQ     (PCT)     (PCT)     (PCT)

EVERY   VISIT                       1.        93      11.5      11.9      11.9

MOST    VISITS                      2.       185      22.8      23.7      35.7

OCCASIONALLY                        3.       307      37.9      39.4      75.1

RARELY                              4.       139      17.2      17.8      92.9

NOT BEFORE TODAY                    5.        55       6.8       7.1     100.0

                                    0.        31       3.8   MISSING     100.0
                                          ------    ------    ------
                                 TOTAL       810     100.0     100.0

MEAN         2.843      STD ERR       0.038      MEDIAN        2.863
MODE         3.000      STD DEV       1.074      VARIANCE      1.153
KURTOSIS    -0.472      SKEWNESS      0.077      RANGE         4.000
MINIMUM      1.000      MAXIMUM       5.000

VALID CASES    779      MISSING CASES    31
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

QST51     I USE ANOTHER COMPUTER SYSTEM

                                                 RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE   FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)     (PCT)

DAILY                              1.      110      13.6      14.1      14.1

WEEKLY                             2.      162      20.0      20.8      35.0

MONTHLY                            3.       84      10.4      10.8      45.8

4 TIMES A YEAR                     4.       93      11.5      12.0      57.7

ONCE A  YEAR                       5.       47       5.8       6.0      63.8

NEVER                              6.      282      34.8      36.2     100.0

                                   0.       32       4.0   MISSING     100.0
                                        ------    ------    ------
                                 TOTAL     810     100.0     100.0

MEAN           3.837     STD ERR        0.069      MEDIAN         3.855
MODE           6.000     STD DEV        1.924      VARIANCE       3.702
KURTOSIS      -1.566     SKEWNESS      -0.115      RANGE          5.000
MINIMUM        1.000     MAXIMUM        6.000

VALID CASES      778     MISSING CASES     32
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84       PAGE   32

FILE   FINAL    (CREATION DATE = 09/17/84)

QST52     HEARD ABOUT COMPUTER CAT FROM


                                                     RELATIVE  ADJUSTED     CUM
                                          ABSOLUTE     FREQ      FREQ       FREQ
CATEGORY LABEL                    CODE      FREQ      (PCT)     (PCT)      (PCT)

NOTICED TERM IN LIB                 1.      534       65.9      68.7       68.7

LIBRARY TOUR                        2.       61        7.5       7.9       76.6

ARTICLE-ANNOUNCE                    3.      101       12.5      13.0       89.6

INSTRUCTOR                          4.       14        1.7       1.8       91.4

FRIEND - FAMILY                     5.       51        6.3       6.6       97.9

LIBRARY STAFF                       6.       16        2.0       2.1      100.0

                                    0.       33        4.1    MISSING     100.0
                                          ------    ------    ------
                                 TOTAL      810      100.0     100.0

MEAN          1.758     STD ERR        0.048       MEDIAN         1.228
MODE          1.000     STD DEV        1.324       VARIANCE       1.753
KURTOSIS      1.883     SKEWNESS       1.713       RANGE          5.000
MINIMUM       1.000     MAXIMUM        6.000

VALID CASES     777     MISSING CASES     33
```

```
CPU TIME REQUIRED..     5.14 SECONDS


               29 MULT RESPONSE  GROUPS= QUEST53  I LEARNED HOW TO USE THIS COMP CAT:
               30                        (QST53A TO QST53G (1)) /
               31                FREQUENCIES= QUEST53    /

'MULT RESPONSE' PROBLEM REQUIRES       72 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                 10/26/84        PAGE   34

FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP QUEST53   I LEARNED HOW TO USE THIS COMP CAT:
     (VALUE TABULATED =      1)

                                                               PCT OF   PCT OF
DICHOTOMY LABEL                          NAME       COUNT  RESPONSES    CASES

FROM A FRIEND                            QST53A        75        7.0      9.6

BY PRINTED INSTR                         QST53B       243       22.8     31.2

BY INSTR ON TERMINAL                     QST53C       501       47.1     64.3

FROM LIBRARY STAFF                       QST53D        29        2.7      3.7

FROM LIBRARY COURSE                      QST53E        13        1.2      1.7

BY MYSELF                                QST53G       203       19.1     26.1
                                                  -------      -----    -----
                                 TOTAL RESPONSES     1064      100.0    136.6

     31 MISSING CASES          779 VALID CASES
```

```
CPU TIME REQUIRED..     3.43 SECONDS


              32 FREQUENCIES    GENERAL= QST54 TO QST57

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                              10/26/84        PAGE  36
FILE   FINAL    (CREATION DATE = 09/17/84)

QST54     MY AGE GROUP IS

                                                       RELATIVE   ADJUSTED      CUM
                                          ABSOLUTE       FREQ       FREQ        FREQ
CATEGORY LABEL                     CODE     FREQ        (PCT)      (PCT)       (PCT)

14 AND  UNDER                        1.         1         0.1        0.1        0.1
15 - 19 YEARS                        2.       185        22.8       23.7       23.8
20 - 24 YEARS                        3.       284        35.1       36.4       60.2
25 - 34 YEARS                        4.       233        28.8       29.8       90.0
35 - 44 YEARS                        5.        54         6.7        6.9       96.9
45 --54 YEARS                        6.        14         1.7        1.8       98.7
55 - 64 YEARS                        7.         7         0.9        0.9       99.6
65 AND  OVER                         8.         3         0.4        0.4      100.0
                                     0.        29         3.6    MISSING      100.0
                                           ------      ------     ------
                                  TOTAL       810       100.0      100.0

VALID CASES     781       MISSING CASES     29
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84       PAGE   37
FILE   FINAL    (CREATION DATE = 09/17/84)

QST55     SEX

                                             RELATIVE  ADJUSTED    CUM
                                   ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL              CODE     FREQ     (PCT)     (PCT)     (PCT)

FEMALE                        1.      382      47.2      49.9      49.9

MALE                          2.      383      47.3      50.1     100.0

                              0.       45       5.6    MISSING    100.0
                                   -------   -------   -------
                           TOTAL      810     100.0     100.0

VALID CASES     765      MISSING CASES    45
```

```
QST56     CURRENT OR HIGHEST GRADE COMPLETED

                                              RELATIVE  ADJUSTED     CUM
                                   ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL              CODE     FREQ      (PCT)     (PCT)     (PCT)

GRADE    SCHOOL               1.        1        0.1       0.1       0.1

HIGH     SCHOOL               2.       10        1.2       1.3       1.4

SOME     COLLEGE              3.      420       51.9      53.9      55.3

COLLEGE GRADUATE              4.      348       43.0      44.7     100.0

                              0.       31        3.8   MISSING     100.0
                                   ------     ------    ------
                           TOTAL      810      100.0     100.0

VALID CASES      779      MISSING CASES     31
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                          10/26/84        PAGE   39
FILE   FINAL    (CREATION DATE = 09/17/84)

QST57     MY ACADEMIC AREA IS

                                                  RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE    FREQ      FREQ       FREQ
CATEGORY LABEL                    CODE    FREQ     (PCT)     (PCT)      (PCT)

ART AND HUMANITIES                  1.     265     32.7      34.9       34.9

PHYS-BIO SCIENCES                   2.      58      7.2       7.6       42.6

SOCIAL  SCIENCES                    3.     155     19.1      20.4       63.0

BUSINESS-MANAGEMENT                 4.      97     12.0      12.8       75.8

EDUCATION                           5.      19      2.3       2.5       78.3

ENGINEERING                         6.      24      3.0       3.2       81.4

MEDICAL-HEALTH SCIEN                7.      65      8.0       8.6       90.0

LAW                                 8.      26      3.2       3.4       93.4

MAJOR UNDECLARED                    9.      29      3.6       3.8       97.2

INTERDISCIPLINARY                  10.      21      2.6       2.8      100.0

                                    0.      51      6.3     MISSING    100.0
                                        ------    ------    ------
                                 TOTAL     810     100.0     100.0

VALID CASES      759       MISSING CASES     51
```

```
CPU TIME REQUIRED..     5.18 SECONDS


                33 MULT RESPONSE  GROUPS= QUEST58 THE MAIN FOCUS OF MY ACADEMIC WORK IS:
                34                       (QST58A TO QST58C (1)) /
                35                FREQUENCIES= QUEST58 /

'MULT RESPONSE' PROBLEM REQUIRES      56 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                          10/26/84        PAGE   41

FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP QUEST58   THE MAIN FOCUS OF MY ACADEMIC WORK IS:
     (VALUE TABULATED =      1)

                                                                     PCT OF   PCT OF
DICHOTOMY LABEL                                 NAME        COUNT  RESPONSES   CASES

COURSE WORK                                     QST58A        584      62.9     77.5

TEACHING                                        QST58B         47       5.1      6.2

RESEARCH                                        QST58C        297      32.0     39.4
                                                           -------    -----    -----
                                       TOTAL RESPONSES        928     100.0    123.1

     56 MISSING CASES          754 VALID CASES
```

```
CPU TIME REQUIRED..     3.48 SECONDS


                 36 FREQUENCIES     GENERAL= QST59 TO QST63
                 37 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                    10/26/84       PAGE  4

FILE   FINAL    (CREATION DATE = 09/17/84)

QST59     PRESENT AFFILIATION

                                                    RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE      FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE      FREQ       (PCT)     (PCT)     (PCT)

FRESHMAN-SOPHOMORE                1.       236        29.1      31.5      31.5

JUNIOR--SENIOR                    2.       196        24.2      26.1      57.6

GRADUATE-MASTERS LEV              3.       130        16.0      17.3      74.9

GRADUATE-DOCTORAL LE              4.        89        11.0      11.9      86.8

GRADUATE-PROFESSIONA              5.        23         2.8       3.1      89.9

FACULTY                           6.        20         2.5       2.7      92.5

STAFF                             7.         9         1.1       1.2      93.7

OTHER   STATUS                    8.        47         5.8       6.3     100.0

                                  0.        60         7.4   MISSING     100.0
                                         ------     ------    ------
                              TOTAL        810       100.0     100.0

MEAN           2.731      STD ERR         0.070      MEDIAN         2.209
MODE           1.000      STD DEV         1.922      VARIANCE       3.692
KURTOSIS       1.383      SKEWNESS        1.402      RANGE          7.000
MINIMUM        1.000      MAXIMUM         8.000

VALID CASES      750      MISSING CASES      60
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84         PAGE   44

FILE    FINAL    (CREATION DATE = 09/17/84)

QST60     SUCCESS CRITERIA

                                                     RELATIVE   ADJUSTED     CUM
                                          ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE      FREQ      (PCT)      (PCT)      (PCT)

                                   0.        430       53.1       53.1       53.1

                                   1.        115       14.2       14.2       67.3

                                   2.         25        3.1        3.1       70.4

                                   3.        133       16.4       16.4       86.8

                                   4.          5        0.6        0.6       87.4

                                   5.          2        0.2        0.2       87.7

                                   6.          6        0.7        0.7       88.4

                                   7.          9        1.1        1.1       89.5

                                   8.         29        3.6        3.6       93.1

                                   9.          2        0.2        0.2       93.3

                                  10.         25        3.1        3.1       96.4

                                  11.          1        0.1        0.1       96.5

                                  12.         10        1.2        1.2       97.8

                                  13.          6        0.7        0.7       98.5

                                  14.          3        0.4        0.4       98.9

                                  15.          9        1.1        1.1      100.0
                                          ------     ------     ------
                                 TOTAL       810      100.0      100.0

MEAN          1.949     STD ERR         0.116      MEDIAN          0.442
MODE          0.0       STD DEV         3.303      VARIANCE       10.911
KURTOSIS      4.160     SKEWNESS        2.164      RANGE          15.000
MINIMUM       0.0       MAXIMUM        15.000

VALID CASES     810     MISSING CASES      0
```

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FILE   FINAL    (CREATION DATE = 09/17/84)

QST61     COMPARATIVE SUCCESS

                                                 RELATIVE  ADJUSTED    CUM
                                     ABSOLUTE      FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE    FREQ       (PCT)     (PCT)     (PCT)

                                 0.     197        24.3      24.3      24.3

COMPT CAT MORE SUCCE             1.     302        37.3      37.3      61.6

CARD CAT MORE SUCCES             2.     162        20.0      20.0      81.6

THEY ARE EQUAL                   3.     139        17.2      17.2      98.8

NEITHER CAT SUCCESSF             4.       9         1.1       1.1      99.9

                                 9.       1         0.1       0.1     100.0
                                      ------     ------    ------
                              TOTAL     810       100.0     100.0

MEAN          1.343    STD ERR        0.038      MEDIAN        1.189
MODE          1.000    STD DEV        1.092      VARIANCE      1.192
KURTOSIS      1.902    SKEWNESS       0.767      RANGE         9.000
MINIMUM       0.0      MAXIMUM        9.000

VALID CASES     810    MISSING CASES     0
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84        PAGE  4
FILE   FINAL    (CREATION DATE = 09/17/84)

QST62     USE BOTH CATALOGS

                                                      RELATIVE  ADJUSTED    CUM
                                          ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                    CODE      FREQ       (PCT)     (PCT)     (PCT)

                                   0.        186       23.0      23.0      23.0

YES                                1.        386       47.7      47.7      70.6

NO                                 2.        237       29.3      29.3      99.9

                                   3.          1        0.1       0.1     100.0
                                           ------     ------    ------
                                TOTAL        810      100.0     100.0

MEAN            1.065     STD ERR         0.025       MEDIAN          1.067
MODE            1.000     STD DEV         0.724       VARIANCE        0.524
KURTOSIS       -1.037     SKEWNESS       -0.080       RANGE           3.000
MINIMUM         0.0       MAXIMUM         3.000

VALID CASES       810     MISSING CASES       0
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84        PAGE   47
FILE   FINAL    (CREATION DATE = 09/17/84)

QST63     AFFILIATION

                                                RELATIVE   ADJUSTED     CUM
                                      ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE    FREQ     (PCT)      (PCT)      (PCT)

                                  0.     194      24.0       24.0       24.0

NEW YORK UNIV                     1.     546      67.4       67.4       91.4

COOPER UNION                      2.      19       2.3        2.3       93.7

NEW SCHOOL                        3.      23       2.8        2.8       96.5

PARSONS SCHOOL                    4.       4       0.5        0.5       97.0

HEBREW UNION                      5.       1       0.1        0.1       97.2

OTHER UNIV                        6.      12       1.5        1.5       98.6

OTHER                             7.      10       1.2        1.2       99.9

                                  9.       1       0.1        0.1      100.0
                                       ------    ------     ------
                              TOTAL      810     100.0      100.0

MEAN             1.019      STD ERR          0.041      MEDIAN          0.886
MODE             1.000      STD DEV          1.156      VARIANCE        1.336
KURTOSIS        14.711      SKEWNESS         3.445      RANGE           9.000
MINIMUM          0.0        MAXIMUM          9.000

VALID CASES      810        MISSING CASES      0
```

```
CPU TIME REQUIRED..     5.34 SECONDS


                  38 FREQUENCIES     GENERAL= PCT1MS,PCT2MS,PCT3MS,PCT4MS
                  39 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                    10/26/84        PAGE   49
FILE    FINAL     (CREATION DATE = 09/17/84)

PCT1MS     PERCENTAGE OF MISSING RESPONSES PART 1

                                                  RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE     FREQ      (PCT)     (PCT)     (PCT)

                                  0.      786       97.0      97.0      97.0

                                 10.       20        2.5       2.5      99.5

                                 20.        4        0.5       0.5     100.0
                                        ------    ------    ------
                               TOTAL      810      100.0     100.0

MEAN            0.346      STD ERR         0.073      MEDIAN          0.153
MODE            0.0        STD DEV         2.081      VARIANCE        4.330
KURTOSIS       48.168      SKEWNESS        6.647      RANGE          20.000
MINIMUM         0.0        MAXIMUM        20.000

VALID CASES       810      MISSING CASES       0
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding G3A                               10/26/84       PAGE    5
FILE   FINAL    (CREATION DATE = 09/17/84)

PCT2MS     PERCENTAGE OF MISSING RESPONSES PART 2

                                                  RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE     FREQ      (PCT)     (PCT)     (PCT)

                                  0.      151       18.6      18.6      18.6

                                  3.       52        6.4       6.4      25.1

                                  6.       74        9.1       9.1      34.2

                                  9.       63        7.8       7.8      42.0

                                 13.       67        8.3       8.3      50.2

                                 16.       68        8.4       8.4      58.6

                                 19.       53        6.5       6.5      65.2

                                 22.       47        5.8       5.8      71.0

                                 25.       44        5.4       5.4      76.4

                                 28.       32        4.0       4.0      80.4

                                 31.       27        3.3       3.3      83.7

                                 34.       20        2.5       2.5      86.2

                                 38.       26        3.2       3.2      89.4

                                 41.       16        2.0       2.0      91.4

                                 44.       14        1.7       1.7      93.1

                                 47.        8        1.0       1.0      94.1

                                 50.        6        0.7       0.7      94.8

                                 53.        9        1.1       1.1      95.9

                                 56.        3        0.4       0.4      96.3

                                 59.        2        0.2       0.2      96.5

                                 63.        1        0.1       0.1      96.7

                                 66.        2        0.2       0.2      96.9
                                 69.        1       0.1        0.1     97.0

                                 72.        2       0.2        0.2     97.3

                                 81.        4       0.5        0.5     97.8

                                 84.        4       0.5        0.5     98.3

                                 88.        1       0.1        0.1     98.4

                                 94.        2       0.2        0.2     98.6

                                 97.        1       0.1        0.1     98.8

                                100.       10       1.2        1.2    100.0
                                       ------    ------     ------
                              TOTAL       810     100.0      100.0

MEAN            18.296      STD ERR         0.668     MEDIAN       14.410
MODE             0.0        STD DEV        19.009     VARIANCE    361.335
KURTOSIS         4.828      SKEWNESS        1.905     RANGE       100.000
MINIMUM          0.0        MAXIMUM       100.000

VALID CASES        810      MISSING CASES       0
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                            10/26/84       PAGE   5
FILE    FINAL    (CREATION DATE = 09/17/84)

PCT3MS     PERCENTAGE OF MISSING RESPONSES PART 3

                                                  RELATIVE   ADJUSTED      CUM
                                       ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                   CODE    FREQ      ( PCT)     ( PCT)     ( PCT)

                                   0.     733       90.5       90.5       90.5

                                  25.      33        4.1        4.1       94.6

                                  50.       9        1.1        1.1       95.7

                                  75.       5        0.6        0.6       96.3

                                 100.      30        3.7        3.7      100.0
                                       ------     ------     ------
                                TOTAL     810      100.0      100.0

MEAN            5.741      STD ERR         0.725       MEDIAN         1.313
MODE            0.0        STD DEV        20.637       VARIANCE     425.903
KURTOSIS       14.310      SKEWNESS        3.900       RANGE        100.000
MINIMUM         0.0        MAXIMUM       100.000

VALID CASES       810      MISSING CASES       0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding SBA                              10/26/84        PAGE

FILE   FINAL    (CREATION DATE = 09/17/84)

PCT4MS    PERCENTAGE OF MISSING RESPONSES PART 4

                                                  RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE    FREQ      (PCT)     (PCT)     (PCT)

                                  0.      693      85.6      85.6      85.6

                                  8.       58       7.2       7.2      92.7

                                 17.       21       2.6       2.6      95.3

                                 25.        9       1.1       1.1      96.4

                                 58.        1       0.1       0.1      96.5

                                 83.        4       0.5       0.5      97.0

                                 92.        1       0.1       0.1      97.2

                                100.       23       2.8       2.8     100.0
                                       ------    ------    ------
                               TOTAL      810     100.0     100.0

MEAN           4.726      STD ERR        0.638      MEDIAN         0.675
MODE           0.0        STD DEV       18.157      VARIANCE     329.665
KURTOSIS      21.208      SKEWNESS       4.693      RANGE        100.000
MINIMUM        0.0        MAXIMUM      100.000

VALID CASES      810      MISSING CASES      0
```

```
CPU TIME REQUIRED..     5.28 SECONDS


              40 MULT RESPONSE  GROUPS= RQUEST1 I CAME TO THE SEARCH WITH:
              41                  (RQ1A TO RQ1H (1))
              42                RQUEST2  IN THIS SEARCH I WAS TRYING TO FIND:
              43                  (RQ2A TO RQ2F (1))
              44                RQUEST3  I SEARCHED FOR WHAT I WANTED BY:
              45                  (RQ3A TO RQ3H (1))
              46                RQUEST4  I NEED THIS INFORMATION FOR:
              47                  (RQ4A TO RQ4K (1))  /
              48                FREQUENCIES=RQUEST1,RQUEST2,RQUEST3,RQUEST4     /

'MULT RESPONSE' PROBLEM REQUIRES     308 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26872 LABELS FOR FREQUENCIES
AND  53752 LABELS FOR TABLES.
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                       10/26/84        PAGE   55

FILE    FINAL     (CREATION DATE = 09/17/84)

GROUP RQUEST1    I CAME TO THE SEARCH WITH:
     (VALUE TABULATED =       1)

                                                               PCT OF   PCT OF
DICHOTOMY LABEL                              NAME      COUNT  RESPONSES  CASES

COMPLETE AUTHOR                              RQ1A        442     27.6     54.6

PART AUTHOR'S NAME                           RQ1B        111      6.9     13.7

COMPLETE TITLE                               RQ1C        338     21.1     41.7

PART TITLE                                   RQ1D         91      5.7     11.2

TOPIC WORD OR WORDS                          RQ1E        218     13.6     26.9

SUBJECT HEADING                              RQ1F        375     23.5     46.3

COMPLETE CALL NUMBER                         RQ1G         18      1.1      2.2

PART CALL NUMBER                             RQ1H          6      0.4      0.7
                                                     -------    -----    -----
                                     TOTAL RESPONSES    1599    100.0    197.4

      0 MISSING CASES         810 VALID CASES
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE   56
FILE   FINAL    (CREATION DATE = 09/17/84)
GROUP RQUEST2   IN THIS SEARCH I WAS TRYING TO FIND:
     (VALUE TABULATED =      1)

                                                                   PCT OF   PCT OF
DICHOTOMY LABEL                               NAME        COUNT  RESPONSES  CASES

SPECIFIC BOOK ETC                             RQ2A          427     35.1     53.0

BOOKS ON TOPIC                                RQ2B          428     35.1     53.1

BOOKS BY SPEC AUTHOR                          RQ2C          242     19.9     30.0

PUB-DATE-SPELLING                             RQ2D           25      2.1      3.1

IF BOOK IS AVAILABLE                          RQ2E           80      6.6      9.9

OTHER LIBRARY W BOOK                          RQ2F           16      1.3      2.0
                                                        -------    -----    -----
                                     TOTAL RESPONSES       1218    100.0    151.1

     4 MISSING CASES         806 VALID CASES
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP RQUEST3    I SEARCHED FOR WHAT I WANTED BY:
     (VALUE TABULATED =       1)

                                                             PCT OF   PCT OF
DICHOTOMY LABEL                          NAME        COUNT  RESPONSES  CASES

COMPLETE AUTHOR                          RQ3A          413     25.8     51.1

PART AUTHOR'S NAME                       RQ3B          128      8.0     15.8

COMPLETE TITLE                           RQ3C          319     19.9     39.4

PART TITLE                               RQ3D          118      7.4     14.6

TOPIC WORD OR WORDS                      RQ3E          242     15.1     29.9

SUBJECT HEADINGS                         RQ3F          358     22.4     44.3

COMPLETE CALL NUMBER                     RQ3G           17      1.1      2.1

PART CALL NUMBER                         RQ3H            4      0.3      0.5
                                                   -------    -----    -----
                                 TOTAL RESPONSES      1599    100.0    197.7

      1 MISSING CASES         809 VALID CASES
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84       PAGE   58
FILE   FINAL    (CREATION DATE = 09/17/84)
GROUP RQUEST4   I NEED THIS INFORMATION FOR:
     (VALUE TABULATED =       1)

                                                                  PCT OF   PCT OF
DICHOTOMY LABEL                            NAME       COUNT    RESPONSES   CASES

RECREATIONAL USES                          RQ4A          77         5.5      9.5

MAKE-FIX SOMETHING                         RQ4B          17         1.2      2.1

WORK OR JOB                                RQ4C          98         7.0     12.1

PERSONAL INTEREST                          RQ4D         179        12.8     22.2

HOBBY                                      RQ4E          34         2.4      4.2

CLASS-COURSE READING                       RQ4F         288        20.6     35.6

COURSE PAPER-REPORT                        RQ4G         434        31.0     53.7

THESIS-DISSERTATION                        RQ4H          89         6.4     11.0

PUBLICATION                                RQ4I          57         4.1      7.1

TEACHING A COURSE                          RQ4J          25         1.8      3.1

KEEP UP ON TOPIC                           RQ4K         102         7.3     12.6
                                                    -------       -----    -----
                                 TOTAL RESPONSES       1400       100.0    173.3

     2 MISSING CASES           808 VALID CASES
```

```
CPU TIME REQUIRED..     3.96 SECONDS


               49 FREQUENCIES    GENERAL = RQ5 TO RQ7
               50 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84        PAGE   60
FILE    FINAL     (CREATION DATE = 09/17/84)

RQ5        IN THIS SEARCH I FOUND

                                                   RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE    FREQ      (PCT)      (PCT)      (PCT)

MORE   THAN                         1.     118       14.6       14.7       14.7

ALL OR  MOST                        2.     168       20.7       20.9       35.5

SOME                                3.     370       45.7       46.0       81.5

NOTHING                             4.     149       18.4       18.5      100.0

                                    0.       5        0.6    MISSING      100.0
                                        ------     ------     ------
                                 TOTAL     810      100.0      100.0

MEAN           2.683     STD ERR         0.033      MEDIAN         2.815
MODE           3.000     STD DEV         0.939      VARIANCE       0.881
KURTOSIS      -0.693     SKEWNESS       -0.399      RANGE          3.000
MINIMUM        1.000     MAXIMUM         4.000

VALID CASES      805     MISSING CASES       5
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                  10/26/84        PAGE   61
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ6       IN REL TO WHAT I WAS LOOKING FOR SEARCH

                                                  RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE      FREQ     (PCT)      (PCT)      (PCT)

VERY SATISFACTORY                 1.       325      40.1       40.3       40.3

SOMEWHAT SATISFACTOR              2.       307      37.9       38.1       78.4

SOMEWHAT UNSATISFACT              3.        73       9.0        9.1       87.5

VERY UNSATISFACTORY               4.       101      12.5       12.5      100.0

                                  0.         4       0.5    MISSING      100.0
                                        ------    ------     ------
                                TOTAL      810     100.0      100.0

MEAN           1.938     STD ERR         0.035       MEDIAN         1.754
MODE           1.000     STD DEV         0.996       VARIANCE       0.992
KURTOSIS      -0.253     SKEWNESS        0.888       RANGE          3.000
MINIMUM        1.000     MAXIMUM         4.000

VALID CASES      806     MISSING CASES       4
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ7       CAME ACROSS OTHER THINGS OF INTEREST

                                                RELATIVE  ADJUSTED    CUM
                                      ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE     FREQ     (PCT)     (PCT)     (PCT)

YES                              1.      372      45.9      46.0      46.0

NO                               2.      436      53.8      54.0     100.0

                                 0.        2       0.2   MISSING     100.0
                                       ------    ------    ------
                               TOTAL     810     100.0     100.0

MEAN           1.540      STD ERR        0.018      MEDIAN        1.573
MODE           2.000      STD DEV        0.499      VARIANCE      0.249
KURTOSIS      -1.980      SKEWNESS      -0.159      RANGE         1.000
MINIMUM        1.000      MAXIMUM        2.000

VALID CASES      808      MISSING CASES      2
```

```
CPU TIME REQUIRED..    4.98 SECONDS


                 51 MULT RESPONSE  GROUPS =RQUEST8 I GOT HELP FROM:
                 52                    (RQ8A TO RQ8E (1))  /
                 53                  FREQUENCIES = RQUEST8    /

'MULT RESPONSE' PROBLEM REQUIRES      64 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                      10/26/84        PAGE   64
FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP RQUEST8    I GOT HELP FROM:
     (VALUE TABULATED =      1)

                                                            PCT OF   PCT OF
DICHOTOMY LABEL                        NAME        COUNT  RESPONSES  CASES

PRINTED MATTER-SIGNS                   RQ8A          136      14.1     16.8

TERMINAL SCREEN INST                   RQ8B          507      52.6     62.7

LIBRARY STAFF MEMBER                   RQ8C           40       4.2      5.0

PERSON NEARBY                          RQ8D           27       2.8      3.3

I DID NOT GET HELP                     RQ8E          253      26.3     31.3
                                                 -------     -----    -----
                              TOTAL RESPONSES        963     100.0    119.2

     2 MISSING CASES          808 VALID CASES
```

```
CPU TIME REQUIRED..     3.31 SECONDS


               54 FREQUENCIES    GENERAL= RQ9, RQ10
               55 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84      PAGE  6
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS

                                                RELATIVE  ADJUSTED     CUM
                                      ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE     FREQ     (PCT)     (PCT)     (PCT)

VERY FAVORABLE                  1.       506      62.5      62.5      62.5

SOMEWHAT FAVORABLE              2.       246      30.4      30.4      93.0

SOMEWHAT UNFAVORABLE            3.        42       5.2       5.2      98.1

VERY    UNFAVORABLE             4.        15       1.9       1.9     100.0

                                0.         1       0.1   MISSING     100.0
                                      ------    ------    ------
                            TOTAL        810     100.0     100.0

MEAN           1.464     STD ERR        0.024      MEDIAN         1.299
MODE           1.000     STD DEV        0.681      VARIANCE       0.464
KURTOSIS       2.186     SKEWNESS       1.509      RANGE          3.000
MINIMUM        1.000     MAXIMUM        4.000

VALID CASES      809     MISSING CASES      1
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                    10/26/84        PAGE  67

FILE   FINAL    (CREATION DATE = 09/17/84)

RQ10      COMPUTER CAT COMPARED TO OTHER CAT

                                                  RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE      FREQ      (PCT)     (PCT)     (PCT)

BETTER                           1.       531       65.6      71.1      71.1

EQUAL                            2.       118       14.6      15.8      86.9

WORSE                            3.        98       12.1      13.1     100.0

                                 0.         7        0.9   MISSING     100.0

CAN'T  DECIDE                    4.        56        6.9   MISSING     100.0
                                       -------    ------    ------
                              TOTAL       810      100.0     100.0

MEAN          1.420     STD ERR        0.026      MEDIAN       1.203
MODE          1.000     STD DEV        0.712      VARIANCE     0.507
KURTOSIS      0.357     SKEWNESS       1.378      RANGE        2.000
MINIMUM       1.000     MAXIMUM        3.000

VALID CASES     747     MISSING CASES     63
```

```
CPU TIME REQUIRED..    4.90 SECONDS


               56 FREQUENCIES     GENERAL= RQ48 TO RQ52
               57 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84        PAGE   69

FILE    FINAL     (CREATION DATE = 09/17/84)

RQ48        I COME TO THIS LIBRARY

                                                RELATIVE  ADJUSTED     CUM
                                      ABSOLUTE    FREQ      FREQ       FREQ
CATEGORY LABEL                 CODE     FREQ      (PCT)     (PCT)      (PCT)

DAILY                           1.       237      29.3      30.5       30.5

WEEKLY                          2.       379      46.8      48.8       79.3

MONTHLY                         3.       108      13.3      13.9       93.2

4 TIMES YEAR                    4.        28       3.5       3.6       96.8

ONCE A  YEAR                    5.        12       1.5       1.5       98.3

NOT BEFORE TODAY                6.        13       1.6       1.7      100.0

                                0.        33       4.1     MISSING    100.0
                                       ------    ------    ------
                              TOTAL      810     100.0     100.0

MEAN             2.019      STD ERR         0.036        MEDIAN         1.900
MODE             2.000      STD DEV         0.998        VARIANCE       0.996
KURTOSIS         3.535      SKEWNESS        1.568        RANGE          5.000
MINIMUM          1.000      MAXIMUM         6.000

VALID CASES       777       MISSING CASES     33
```

```
FILE    FINAL    (CREATION DATE = 09/17/84)

RQ49       I USE THIS COMPUTER CATALOG

                                                   RELATIVE   ADJUSTED      CUM
                                        ABSOLUTE     FREQ       FREQ        FREQ
CATEGORY LABEL                  CODE      FREQ      (PCT)      (PCT)       (PCT)

EVERY   VISIT                     1.       174       21.5       22.3        22.3

MOST    VISITS                    2.       296       36.5       37.9        60.2

OCCASIONALLY                      3.       226       27.9       28.9        89.1

RARELY                            4.        41        5.1        5.2        94.4

NOT BEFORE TODAY                  5.        44        5.4        5.6       100.0

                                  0.        29        3.6    MISSING       100.0
                                        ------     ------     ------
                               TOTAL       810      100.0      100.0

MEAN            2.341     STD ERR        0.038      MEDIAN          2.231
MODE            2.000     STD DEV        1.056      VARIANCE        1.115
KURTOSIS        0.233     SKEWNESS       0.709      RANGE           4.000
MINIMUM         1.000     MAXIMUM        5.000

VALID CASES       781     MISSING CASES     29
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                      10/26/84      PAGE  7
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ50      I USE LIB'S BK CRD OR MICRO CAT

                                                RELATIVE  ADJUSTED    CUM
                                      ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE     FREQ     (PCT)     (PCT)     (PCT)

EVERY    VISIT                   1.       93      11.5      11.9      11.9

MOST     VISITS                  2.      185      22.8      23.7      35.7

OCCASIONALLY                     3.      307      37.9      39.4      75.1

RARELY                           4.      139      17.2      17.8      92.9

NOT BEFORE TODAY                 5.       55       6.8       7.1     100.0

                                 0.       31       3.8    MISSING    100.0
                                        ------    ------    ------
                              TOTAL      810     100.0     100.0

MEAN           2.843     STD ERR        0.038      MEDIAN        2.863
MODE           3.000     STD DEV        1.074      VARIANCE      1.153
KURTOSIS      -0.472     SKEWNESS       0.077      RANGE         4.000
MINIMUM        1.000     MAXIMUM        5.000

VALID CASES      779     MISSING CASES    31
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE    72

FILE    FINAL     (CREATION DATE = 09/17/84)

RQ51       I USE ANOTHER COMPUTER SYSTEM

                                                    RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE      FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE      FREQ        (PCT)      (PCT)      (PCT)

DAILY                             1.       110        13.6       14.1       14.1

WEEKLY                            2.       162        20.0       20.8       35.0

MONTHLY                           3.        84        10.4       10.8       45.8

4 TIMES A YEAR                    4.        93        11.5       12.0       57.7

ONCE A  YEAR                      5.        47         5.8        6.0       63.8

NEVER                             6.       282        34.8       36.2      100.0

                                  0.        32         4.0    MISSING      100.0
                                         ------     ------     ------
                                TOTAL      810       100.0      100.0

MEAN           3.837     STD ERR       0.069     MEDIAN        3.855
MODE           6.000     STD DEV       1.924     VARIANCE      3.702
KURTOSIS      -1.566     SKEWNESS     -0.115     RANGE         5.000
MINIMUM        1.000     MAXIMUM       6.000

VALID CASES      778     MISSING CASES    32
```

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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84       PAGE   73
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ52      HEARD ABOUT COMPUTER CAT FROM

                                                   RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE      FREQ      (PCT)      (PCT)      (PCT)

NOTICED TERM IN LIB               1.       534       65.9       68.7       68.7

LIBRARY TOUR                      2.        61        7.5        7.9       76.6

ARTICLE-ANNOUNCE                  3.       101       12.5       13.0       89.6

INSTRUCTOR                        4.        14        1.7        1.8       91.4

FRIEND - FAMILY                   5.        51        6.3        6.6       97.9

LIBRARY STAFF                     6.        16        2.0        2.1      100.0

                                  0.        33        4.1     MISSING     100.0
                                        ------     ------     ------
                               TOTAL       810      100.0      100.0

MEAN           1.758      STD ERR        0.048      MEDIAN         1.228
MODE           1.000      STD DEV        1.324      VARIANCE       1.753
KURTOSIS       1.883      SKEWNESS       1.713      RANGE          5.000
MINIMUM        1.000      MAXIMUM        6.000

VALID CASES      777      MISSING CASES     33
```

```
CPU TIME REQUIRED..     5.15 SECONDS


                 58 MULT RESPONSE  GROUPS= RQUEST53  I LEARNED HOW TO USE THIS COMP CAT:
                 59                       (RQ53A TO RQ53G (1)) /
                 60                  FREQUENCIES= RQUEST53    /

'MULT RESPONSE' PROBLEM REQUIRES       72 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
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NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE   75
FILE   FINAL    (CREATION DATE = 09/17/84)
GROUP RQUEST53  I LEARNED HOW TO USE THIS COMP CAT:
      (VALUE TABULATED =      1)
                                                               PCT OF   PCT OF
DICHOTOMY LABEL                             NAME       COUNT  RESPONSES  CASES

FROM A FRIEND                               RQ53A         75      7.0       9.6

BY PRINTED INSTR                            RQ53B        243     22.8      31.2

BY INSTR ON TERMINAL                        RQ53C        501     47.1      64.3

FROM LIBRARY STAFF                          RQ53D         29      2.7       3.7

FROM LIBRARY COURSE                         RQ53E         13      1.2       1.7

BY MYSELF                                   RQ53G        203     19.1      26.1
                                                       -------   -----     -----
     -                              TOTAL RESPONSES     1064    100.0     136.6

     31 MISSING CASES         779 VALID CASES
```

```
CPU TIME REQUIRED..     3.34 SECONDS

                 61 FREQUENCIES      GENERAL= RQ54 TO RQ57
GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84        PAGE   77
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ54      MY AGE GROUP IS

                                                   RELATIVE   ADJUSTED      CUM
                                       ABSOLUTE      FREQ       FREQ       FREQ
CATEGORY LABEL                 CODE      FREQ       (PCT)      (PCT)      (PCT)

14 AND  UNDER                    1.         1         0.1        0.1        0.1

15 - 19 YEARS                    2.       185        22.8       23.7       23.8

20 - 24 YEARS                    3.       284        35.1       36.4       60.2

25 - 34 YEARS                    4.       233        28.8       29.8       90.0

35 - 44 YEARS                    5.        54         6.7        6.9       96.9

45 - 54 YEARS                    6.        14         1.7        1.8       98.7

55 - 64 YEARS                    7.         7         0.9        0.9       99.6

65 AND  OVER                     8.         3         0.4        0.4      100.0

                                 0.        29         3.6     MISSING     100.0
                                       ------      ------     ------
                              TOTAL       810       100.0      100.0

VALID CASES     781      MISSING CASES    29
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE  7

FILE   FINAL    (CREATION DATE = 09/17/84)

RQ55      SEX

                                                       RELATIVE   ADJUSTED     CUM
                                             ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                       CODE      FREQ     (PCT)      (PCT)      (PCT)

FEMALE                                 1.       382      47.2       49.9       49.9

MALE                                   2.       383      47.3       50.1      100.0

                                       0.        45       5.6    MISSING      100.0
                                             -------    ------     ------
                                     TOTAL      810     100.0      100.0

VALID CASES      765      MISSING CASES     45
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                    10/26/84        PAGE   79

FILE    FINAL     (CREATION DATE = 09/17/84)

RQ56       CURRENT OR HIGHEST GRADE COMPLETED

                                                 RELATIVE   ADJUSTED      CUM
                                      ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                 CODE     FREQ      (PCT)      (PCT)      (PCT)

GRADE    SCHOOL                  1.        1        0.1        0.1        0.1

HIGH     SCHOOL                  2.       10        1.2        1.3        1.4

SOME     COLLEGE                 3.      420       51.9       53.9       55.3

COLLEGE GRADUATE                 4.      348       43.0       44.7      100.0

                                 0.       31        3.8    MISSING      100.0
                                      ------     ------     ------
                              TOTAL      810      100.0      100.0

VALID CASES      779       MISSING CASES     31
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                    10/26/84          PAGE    80
FILE    FINAL     (CREATION DATE = 09/17/84)

R057       MY ACADEMIC AREA IS

                                                        RELATIVE   ADJUSTED      CUM
                                           ABSOLUTE       FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE       FREQ        (PCT)      (PCT)      (PCT)

ART AND HUMANITIES                  1.        265         32.7       34.9       34.9

PHYS-BIO SCIENCES                   2.         58          7.2        7.6       42.6

SOCIAL  SCIENCES                    3.        155         19.1       20.4       63.0

BUSINESS-MANAGEMENT                 4.         97         12.0       12.8       75.8

EDUCATION                           5.         19          2.3        2.5       78.3

ENGINEERING                         6.         24          3.0        3.2       81.4

MEDICAL-HEALTH SCIEN                7.         65          8.0        8.6       90.0

LAW                                 8.         26          3.2        3.4       93.4

MAJOR UNDECLARED                    9.         29          3.6        3.8       97.2

INTERDISCIPLINARY                  10.         21          2.6        2.8      100.0

                                    0.         51          6.3    MISSING      100.0
                                           ------       ------     ------
                                 TOTAL        810        100.0      100.0

VALID CASES      759       MISSING CASES     51
```

```
CPU TIME REQUIRED..     5.05 SECONDS


                  62 MULT RESPONSE  GROUPS= RQUEST58 THE MAIN FOCUS OF MY ACADEMIC WORK IS:
                  63                    (RQ58A TO RQ58C (1)) /
                  64                FREQUENCIES= RQUEST58 /

'MULT RESPONSF' PROBLEM REQUIRES      56 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26878 LABELS FOR FREQUENCIES
AND  53758 LABELS FOR TABLES.
```

```
FILE   FINAL    (CREATION DATE = 09/17/84)

GROUP RQUEST58  THE MAIN FOCUS OF MY ACADEMIC WORK IS:
      (VALUE TABULATED =      1)

                                                           PCT OF   PCT OF
DICHOTOMY LABEL                        NAME       COUNT  RESPONSES  CASES

COURSE WORK                            RQ58A        584     62.9     77.5

TEACHING                               RQ58B         47      5.1      6.2

RESEARCH                               RQ58C        297     32.0     39.4
                                                 -------    -----    -----
                           TOTAL RESPONSES          928    100.0    123.1

     56 MISSING CASES          754 VALID CASES
```

```
CPU TIME REQUIRED..     3.30 SECONDS


                 65 FREQUENCIES     GENERAL= RQ59 TO RQ63
                 66 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                          10/26/84         PAGE   84

FILE   FINAL    (CREATION DATE = 09/17/84)

RQ59      PRESENT AFFILIATION

                                                  RELATIVE  ADJUSTED    CUM
                                        ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)     (PCT)

FRESHMAN-SOPHOMORE                 1.      236      29.1      31.5      31.5

JUNIOR--SENIOR                     2.      196      24.2      26.1      57.6

GRADUATE-MASTERS LEV               3.      130      16.0      17.3      74.9

GRADUATE-DOCTORAL LE               4.       89      11.0      11.9      86.8

GRADUATE-PROFESSIONA               5.       23       2.8       3.1      89.9

FACULTY                            6.       20       2.5       2.7      92.5

STAFF                              7.        9       1.1       1.2      93.7

OTHER    STATUS                    8.       47       5.8       6.3     100.0

                                   0.       60       7.4   MISSING     100.0
                                         ------    ------    ------
                                TOTAL      810     100.0     100.0

MEAN            2.731     STD ERR        0.070      MEDIAN          2.209
MODE            1.000     STD DEV        1.922      VARIANCE        3.692
KURTOSIS        1.383     SKEWNESS       1.402      RANGE           7.000
MINIMUM         1.000     MAXIMUM        8.000

VALID CASES       750     MISSING CASES     60
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                10/26/84        PAGE  85
FILE   FINAL    (CREATION DATE = 09/17/84)

RQ60

                                                       RELATIVE   ADJUSTED      CUM
                                            ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                      CODE      FREQ      (PCT)      (PCT)      (PCT)

                                      0.       430       53.1       53.1       53.1

                                      1.       115       14.2       14.2       67.3

                                      2.        25        3.1        3.1       70.4

                                      3.       133       16.4       16.4       86.8

                                      4.         5        0.6        0.6       87.4

                                      5.         2        0.2        0.2       87.7

                                      6.         6        0.7        0.7       88.4

                                      7.         9        1.1        1.1       89.5

                                      8.        29        3.6        3.6       93.1

                                      9.         2        0.2        0.2       93.3

                                     10.        25        3.1        3.1       96.4

                                     11.         1        0.1        0.1       96.5

                                     12.        10        1.2        1.2       97.8

                                     13.         6        0.7        0.7       98.5

                                     14.         3        0.4        0.4       98.9

                                     15.         9        1.1        1.1      100.0
                                            ------     ------     ------
                                     TOTAL     810      100.0      100.0

MEAN              1.949      STD ERR         0.116      MEDIAN          0.442
MODE              0.0        STD DEV         3.303      VARIANCE       10.911
KURTOSIS          4.160      SKEWNESS        2.164      RANGE          15.000
MINIMUM           0.0        MAXIMUM        15.000

VALID CASES       810        MISSING CASES       0
```

```
RQ61

                                              RELATIVE  ADJUSTED    CUM
                                   ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL              CODE     FREQ      (PCT)     (PCT)     (PCT)

                             0.       197      24.3      24.3      24.3

                             1.       302      37.3      37.3      61.6

                             2.       162      20.0      20.0      81.6

                             3.       139      17.2      17.2      98.8

                             4.         9       1.1       1.1      99.9

                             9.         1       0.1       0.1     100.0
                                   ------    ------    ------
                           TOTAL      810     100.0     100.0

MEAN           1.343    STD ERR        0.038      MEDIAN          1.189
MODE           1.000    STD DEV        1.092      VARIANCE        1.192
KURTOSIS       1.902    SKEWNESS       0.767      RANGE           9.000
MINIMUM        0.0      MAXIMUM        9.000

VALID CASES      810    MISSING CASES      0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                                     10/26/84        PAGE   87
FILE    FINAL     (CREATION DATE = 09/17/84)

RQ62

                                                         RELATIVE   ADJUSTED     CUM
                                               ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                         CODE      FREQ      (PCT)      (PCT)      (PCT)

                                         0.       186       23.0       23.0       23.0

                                         1.       386       47.7       47.7       70.6

                                         2.       237       29.3       29.3       99.9

                                         3.         1        0.1        0.1      100.0
                                                -------    ------     ------
                                       TOTAL      810      100.0      100.0

MEAN             1.065      STD ERR          0.025       MEDIAN          1.067
MODE             1.000      STD DEV          0.724       VARIANCE        0.524
KURTOSIS        -1.037      SKEWNESS        -0.080       RANGE           3.000
MINIMUM          0.0        MAXIMUM          3.000

VALID CASES        810      MISSING CASES        0
```

```
NYU/CLR STATISTICAL RUN OF USER DATA excluding GBA                        10/26/84        PAGE  8

FILE   FINAL    (CREATION DATE = 09/17/84)

RQ63

                                                     RELATIVE   ADJUSTED     CUM
                                          ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                     CODE     FREQ      (PCT)      (PCT)      (PCT)

                                     0.      194       24.0       24.0       24.0

                                     1.      546       67.4       67.4       91.4

                                     2.       19        2.3        2.3       93.7

                                     3.       23        2.8        2.8       96.5

                                     4.        4        0.5        0.5       97.0

                                     5.        1        0.1        0.1       97.2

                                     6.       12        1.5        1.5       98.6

                                     7.       10        1.2        1.2       99.9

                                     9.        1        0.1        0.1      100.0
                                          ------     ------     ------
                                  TOTAL      810      100.0      100.0

MEAN           1.019     STD ERR        0.041      MEDIAN         0.886
MODE           1.000     STD DEV        1.156      VARIANCE       1.336
KURTOSIS      14.711     SKEWNESS       3.445      RANGE          9.000
MINIMUM        0.0       MAXIMUM        9.000

VALID CASES      810     MISSING CASES      0
```

```
SPSS BATCH SYSTEM                                                                                    11/27/84        PAGE    1

SPSS FOR OS/360, VERSION H, RELEASE 9A, SEPTEMBER 15, 1980

                                              CURRENT DOCUMENTATION FOR THE SPSS BATCH SYSTEM
ORDER FROM MCGRAW-HILL:  SPSS, 2ND ED. (PRINCIPAL TEXT)       ORDER FROM SPSS INC.:  SPSS STATISTICAL ALGORITHMS
                         SPSS PRIMER (BRIEF INTRO TO SPSS)                           SPSS POCKET GUIDE, RELEASE 8
                         SPSS UPDATE (USE W/SPSS,2ND FOR REL. 7 & 8)                 KEYWORDS: THE SPSS INC. NEWSLETTER


DEFAULT SPACE ALLOCATION..     ALLOWS FOR..  1536 TRANSFORMATIONS
WORKSPACE   1075200 BYTES                    6144 RECODE VALUES + LAG VARIABLES
TRANSPACE    153600 BYTES                   20000 IF/COMPUTE OPERATIONS

                  1 RUN NAME       COMBINE NYU AND ORIGINAL CLR STUDY DATA
                  2 GET FILE       FINAL



                              FILE FINAL    HAS 384 VARIABLES

                              THE SUBFILES ARE..

                                         NO OF
                              NAME       CASES

                              FINAL       8094



CPU TIME REQUIRED..     1.12 SECONDS



                  3 ADD CASES      979
                  4 INPUT MEDIUM   DISK
                  5 INPUT FORMAT   BINARY  (19(20V/),V)

THE INPUT FORMAT PROVIDES FOR 381 VARIABLES.  381 WILL BE READ
IT PROVIDES FOR 20 RECORDS ('CARDS') PER CASE.  A MAXIMUM OF   80 'COLUMNS' ARE USED ON A RECORD.

                  6 SELECT IF      (LIBTYPE = 1)
                  7 SELECT IF      (LIBSYS NE 'BOB' AND LIBSYS NE 'GBA')
                  8 IF             (LIBSYS EQ 'NYU') LOCATION=1
                  9 IF             (LIBSYS NE 'NYU') LOCATION=2
                 10 VALUE LABELS   LOCATION (1)NYU (2)OTHER ARL
                 11
                 12 MULT RESPONSE  GROUPS= RQUEST1 I CAME TO THE SEARCH WITH:
                 13                  (RQ1A TO RQ1H (1))
                 14                RQUEST2  IN THIS SEARCH I WAS TRYING TO FIND:
                 15                  (RQ2A TO RQ2F (1))
                 16                RQUEST3  I SEARCHED FOR WHAT I WANTED BY:
                 17                  (RQ3A TO RQ3H (1))
                 18                RQUEST4  I NEED THIS INFORMATION FOR:
                 19                  (RQ4A TO RQ4K (1))  /
                 20                VARIABLES=LOCATION (1,4)/
```

```
               21                  TABLES=RQUEST1 TO RQUEST4 BY LOCATION        /

'MULT RESPONSE' PROBLEM REQUIRES      916 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26857 LABELS FOR FREQUENCIES
AND  53714 LABELS FOR TABLES.
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84        PAGE   3
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST1  (TABULATING      1) I CAME TO THE SEARCH WITH:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                      LOCATION

               COUNT  INYU       OTHER AR
                      I                      ROW
                      I                      TOTAL
                      I      1  I      2  I
RQUEST1       --------I---------I---------I
        RQ1A          I    442  I   2018  I   2460
  COMPLETE AUTHOR     I         I         I   46.1
                      I---------I---------I
        RQ1B          I    111  I    640  I    751
  PART AUTHOR'S NAME  I         I         I   14.1
                      I---------I---------I
        RQ1C          I    338  I   1831  I   2169
  COMPLETE TITLE      I         I         I   40.7
                      I---------I---------I
        RQ1D          I     91  I    532  I    623
  PART TITLE          I         I         I   11.7
                      I---------I---------I
        RQ1E          I    218  I   1255  I   1473
  TOPIC WORD OR WORDS I         I         I   27.6
                      I---------I---------I
        RQ1F          I    375  I   1878  I   2253
  SUBJECT HEADING     I         I         I   42.2
                      I---------I---------I
        RQ1G          I     18  I    273  I    291
  COMPLETE CALL NUMBER I        I         I    5.5
                      I---------I---------I
        RQ1H          I      6  I     52  I     58
  PART CALL NUMBER    I         I         I    1.1
                      I---------I---------I
              COLUMN       810       4524       5334
               TOTAL      15.2       84.8      100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   5334 VALID CASES          177 MISSING CASES
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                              11/27/84         PAGE     4

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST2  (TABULATING     1) IN THIS SEARCH I WAS TRYING TO FIND:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                          LOCATION

                   COUNT  INYU      OTHER AR
                          I         L          ROW
                          I                    TOTAL
                          I     1  I     2  I
RQUEST2           --------I--------I--------I
               RQ2A       I   427  I  2345  I   2772
   SPECIFIC BOOK ETC      I        I        I   52.4
                          I--------I--------I
               RQ2B       I   428  I  2287  I   2715
   BOOKS ON TOPIC         I        I        I   51.3
                          I--------I--------I
               RQ2C       I   242  I  1098  I   1340
   BOOKS BY SPEC AUTHOR   I        I        I   25.3
                          I--------I--------I
               RQ2D       I    25  I   228  I    253
   PUB-DATE-SPELLING      I        I        I    4.8
                          I--------I--------I
               RQ2E       I    80  I   786  I    866
   IF BOOK IS AVAILABLE   I        I        I   16.4
                          I--------I--------I
               RQ2F       I    16  I   313  I    329
   OTHER LIBRARY W BOOK   I        I        I    6.2
                          I--------I--------I
                 COLUMN       806     4483      5289
                  TOTAL      15.2     84.8     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   5289 VALID CASES          222 MISSING CASES
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84      PAGE    5

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * C R O S S T A B U L A T I O N * * * * * * * * * * * *
   RQUEST3  (TABULATING     1) I SEARCHED FOR WHAT I WANTED BY:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                      LOCATION

                COUNT  INYU      OTHER AR
                       I         L           ROW
                       I                    TOTAL
                       I     1  I     2  I
RQUEST3       --------I--------I--------I
             RQ3A      I   413  I  1760  I   2173
  COMPLETE AUTHOR      I        I        I   41.2
                       I--------I--------I
             RQ3B      I   128  I   788  I    916
  PART AUTHOR'S NAME   I        I        I   17.4
                       I--------I--------I
             RQ3C      I   319  I  1594  I   1913
  COMPLETE TITLE       I        I        I   36.3
                       I--------I--------I
             RQ3D      I   118  I   694  I    812
  PART TITLE           I        I        I   15.4
                       I--------I--------I
             RQ3E      I   242  I  1246  I   1488
  TOPIC WORD OR WORDS  I        I        I   28.2
                       I--------I--------I
             RQ3F      I   358  I  1798  I   2156
  SUBJECT HEADINGS     I        I        I   40.9
                       I--------I--------I
             RQ3G      I    17  I   262  I    279
  COMPLETE CALL NUMBER I        I        I    5.3
                       I--------I--------I
             RQ3H      I     4  I    32  I     36
  PART CALL NUMBER     I        I        I    0.7
                       I--------I--------I
               COLUMN     809      4462      5271
                TOTAL     15.3     84.7     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   5271 VALID CASES          240 MISSING CASES
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84          PAGE     6
FILE   FINAL     (CREATION DATE = 08/03/82)
* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST4  (TABULATING     1) I NEED THIS INFORMATION FOR:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                         LOCATION

                  COUNT  INYU      OTHER AR
                         I         L          ROW
                         I                    TOTAL
                         I     1  I    2  I
RQUEST4         --------I--------I--------I
             RQ4A        I    77  I   562  I    639
  RECREATIONAL USES      I        I        I   12.1
                         I--------I--------I
             RQ4B        I    17  I    82  I     99
  MAKE-FIX SOMETHING     I        I        I    1.9
                         I--------I--------I
             RQ4C        I    98  I   663  I    761
  WORK OR JOB            I        I        I   14.4
                         I--------I--------I
             RQ4D        I   179  I  1035  I   1214
  PERSONAL INTEREST      I        I        I   23.0
                         I--------I--------I
             RQ4E        I    34  I   270  I    304
  HOBBY                  I        I        I    5.8
                         I--------I--------I
             RQ4F        I   288  I  1473  I   1761
  CLASS-COURSE READING   I        I        I   33.4
                         I--------I--------I
             RQ4G        I   434  I  2018  I   2452
  COURSE PAPER-REPORT    I        I        I   46.5
                         I--------I--------I
             RQ4H        I    89  I   524  I    613
  THESIS-DISSERTATION    I        I        I   11.6
                         I--------I--------I
             RQ4I        I    57  I   335  I    392
  PUBLICATION            I        I        I    7.4
                         I--------I--------I
             RQ4J        I    25  I   206  I    231
  TEACHING A COURSE      I        I        I    4.4
                         I--------I--------I
             RQ4K        I   102  I   597  I    699
  KEEP UP ON TOPIC       I        I        I   13.2
                         I--------I--------I
                COLUMN       808      4470      5278
                 TOTAL      15.3      84.7     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   5278 VALID CASES         233 MISSING CASES
```

```
TRANSPACE REQUIRED..      400 BYTES
      4 TRANSFORMATIONS
      0 RECODE VALUES + LAG VARIABLES
     20 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED..   67.75 SECONDS


               22 CROSSTABS      TABLES= RQ5 TO RQ7 BY LOCATION
               23 STATISTICS     ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84        PAGE    8

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ5        IN THIS SEARCH I FOUND                          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
           COUNT   I
         ROW PCT  INYU      OTHER AR   ROW
         COL PCT  I         L          TOTAL
         TOT PCT  I     1.I     2.I
RQ5       --------I--------I--------I
              1.  I   118  I   655  I   773
  MORE    THAN    I  15.3  I  84.7  I  14.8
                  I  14.7  I  14.8  I
                  I   2.3  I  12.5  I
                 -I--------I--------I
              2.  I   168  I  1162  I  1330
  ALL OR  MOST    I  12.6  I  87.4  I  25.4
                  I  20.9  I  26.3  I
                  I   3.2  I  22.2  I
                 -I--------I--------I
              3.  I   370  I  1776  I  2146
  SOME            I  17.2  I  82.8  I  41.1
                  I  46.0  I  40.2  I
                  I   7.1  I  34.0  I
                 -I--------I--------I
              4.  I   149  I   829  I   978
  NOTHING         I  15.2  I  84.8  I  18.7
                  I  18.5  I  18.7  I
                  I   2.9  I  15.9  I
                 -I--------I--------I
          COLUMN      805     4422     5227
           TOTAL     15.4     84.6    100.0

CHI SQUARE =     13.43955 WITH   3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0038
CRAMER'S V =     0.05071
CONTINGENCY COEFFICIENT =    0.05064
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ5       DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00100 WITH RQ5      DEPENDENT.           =  0.00305 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00151
KENDALL'S TAU B =    -0.02192  SIGNIFICANCE =  0.0428
KENDALL'S TAU C =    -0.01886  SIGNIFICANCE =  0.0428
GAMMA =    -0.05139
SOMERS'S D (ASYMMETRIC) = -0.03619 WITH RQ5       DEPENDENT.           = -0.01328 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.01943
ETA =  0.02083 WITH RQ5      DEPENDENT.          =  0.05076 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.02083  SIGNIFICANCE =  0.0661

NUMBER OF MISSING OBSERVATIONS =      284
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE    9

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ6       IN REL TO WHAT I WAS LOOKING FOR SEARCH       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                   LOCATION
           COUNT  I
         ROW PCT  INYU       OTHER AR   ROW
         COL PCT  I          L          TOTAL
         TOT PCT  I       1.I       2.I
RQ6      --------I---------I---------I
              1.  I   325   I  1928   I  2253
  VERY SATISFACTOR I  14.4   I  85.6   I  43.1
                  I  40.3   I  43.6   I
                  I   6.2   I  36.9   I
                 -I---------I---------I
              2.  I   307   I  1499   I  1806
  SOMEWHAT SATISFA I  17.0   I  83.0   I  34.5
                  I  38.1   I  33.9   I
                  I   5.9   I  28.7   I
                 -I---------I---------I
              3.  I    73   I   490   I   563
  SOMEWHAT UNSATIS I  13.0   I  87.0   I  10.8
                  I   9.1   I  11.1   I
                  I   1.4   I   9.4   I
                 -I---------I---------I
              4.  I   101   I   508   I   609
  VERY UNSATISFACT I  16.6   I  83.4   I  11.6
                  I  12.5   I  11.5   I
                  I   1.9   I   9.7   I
                 -I---------I---------I
          COLUMN       806      4425      5231
           TOTAL      15.4      84.6     100.0

CHI SQUARE =      8.39855 WITH    3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0385
CRAMER'S V =     0.04007
CONTINGENCY COEFFICIENT =      0.04004
LAMBDA (ASYMMETRIC) =  0.0        WITH RQ6      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00066 WITH RQ6      DEPENDENT.          =  0.00188 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00098
KENDALL'S TAU B =    -0.01446  SIGNIFICANCE =  0.1313
KENDALL'S TAU C =    -0.01209  SIGNIFICANCE =  0.1313
GAMMA =    -0.03456
SOMERS'S D (ASYMMETRIC) = -0.02318 WITH RQ6      DEPENDENT.          = -0.00902 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.01299
ETA =  0.01206 WITH RQ6      DEPENDENT.          =  0.03992 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.01206  SIGNIFICANCE =  0.1916

NUMBER OF MISSING OBSERVATIONS =      280
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                      11/27/84        PAGE   10

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ7        CAME ACROSS OTHER THINGS OF INTEREST          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                          LOCATION
                 COUNT   I
                 ROW PCT INYU       OTHER AR   ROW
                 COL PCT I          L          TOTAL
                 TOT PCT I       1.I       2.I
RQ7              --------I---------I---------I
                    1.   I   372   I  2032   I  2404
  YES                    I  15.5   I  84.5   I  46.0
                         I  46.0   I  46.0   I
                         I   7.1   I  38.9   I
                        -I---------I---------I
                    2.   I   436   I  2387   I  2823
  NO                     I  15.4   I  84.6   I  54.0
                         I  54.0   I  54.0   I
                         I   8.3   I  45.7   I
                        -I---------I---------I
                 COLUMN      808      4419      5227
                  TOTAL     15.5      84.5     100.0

CORRECTED CHI SQUARE =      0.0      WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  1.0000
      RAW CHI SQUARE =      0.00087 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.9764
PHI =     0.00041
CONTINGENCY COEFFICIENT =     0.00041
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ7      DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00000 WITH RQ7      DEPENDENT.          =  0.00000 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00000
KENDALL'S TAU B =     0.00041  SIGNIFICANCE =  0.4882
KENDALL'S TAU C =     0.00029  SIGNIFICANCE =  0.4882
GAMMA =     0.00113
SOMERS'S D (ASYMMETRIC) =  0.00056 WITH RQ7      DEPENDENT.          =  0.00030 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00039
ETA =  0.0      WITH RQ7      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
PEARSON'S R = 0.00041  SIGNIFICANCE =  0.4880

NUMBER OF MISSING OBSERVATIONS =      284
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CPU TIME REQUIRED..    25.32 SECONDS


               24 MULT RESPONSE  GROUPS =RQUEST8 I GOT HELP FROM:
               25                   (RQ8A TO RQ8E (1))  /
               26                VARIABLES=LOCATION (1,4)/
               27                FREQUENCIES = RQUEST8     /
               28                TABLES= RQUEST8 BY LOCATION  /

'MULT RESPONSE' PROBLEM REQUIRES      188 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26875 LABELS FOR FREQUENCIES
AND  53751 LABELS FOR TABLES.
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84        PAGE   12

FILE    FINAL     (CREATION DATE = 08/03/82)

GROUP RQUEST8    I GOT HELP FROM:
     (VALUE TABULATED =       1)

                                                              PCT OF   PCT OF
DICHOTOMY LABEL                            NAME       COUNT  RESPONSES  CASES

PRINTED MATTER-SIGNS                       RQ8A        1955     30.1     37.5

TERMINAL SCREEN INST                       RQ8B        1963     30.2     37.6

LIBRARY STAFF MEMBER                       RQ8C         556      8.6     10.7

PERSON NEARBY                              RQ8D         223      3.4      4.3

I DID NOT GET HELP                         RQ8E        1801     27.7     34.5
                                                     -------    -----    -----
                                  TOTAL RESPONSES      6498    100.0    124.5

    291 MISSING CASES          5220 VALID CASES
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84      PAGE  1
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST8  (TABULATING     1) I GOT HELP FROM:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                        LOCATION

                 COUNT  INYU       OTHER AR
                        I          L          ROW
                        I                     TOTAL
                        I        1 I        2 I
RQUEST8         --------I---------I---------I
            RQ8A        I    136  I   1819  I   1955
  PRINTED MATTER-SIGNS  I         I         I   37.5
                        I---------I---------I
            RQ8B        I    507  I   1456  I   1963
  TERMINAL SCREEN INST  I         I         I   37.6
                        I---------I---------I
            RQ8C        I     40  I    516  I    556
  LIBRARY STAFF MEMBER  I         I         I   10.7
                        I---------I---------I
            RQ8D        I     27  I    196  I    223
  PERSON NEARBY         I         I         I    4.3
                        I---------I---------I
            RQ8E        I    253  I   1548  I   1801
  I DID NOT GET HELP    I         I         I   34.5
                        I---------I---------I
              COLUMN        808       4412      5220
               TOTAL       15.5       84.5     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   5220 VALID CASES          291 MISSING CASES
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CPU TIME REQUIRED..    26.67 SECONDS


                29 CROSSTABS       TABLES= RQ9 TO RQ10 BY LOCATION
                30 STATISTICS      ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84        PAGE   15

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                         LOCATION
                  COUNT  I
                ROW PCT  INYU       OTHER AR    ROW
                COL PCT  I          L           TOTAL
                TOT PCT  I      1.I       2.I
RQ9             ---------I--------I---------I
                     1.  I   506  I  2977   I   3483
   VERY FAVORABLE        I  14.5  I  85.5   I   66.8
                         I  62.5  I  67.5   I
                         I   9.7  I  57.1   I
                        -I--------I---------I
                     2.  I   246  I  1133   I   1379
   SOMEWHAT FAVORAB      I  17.8  I  82.2   I   26.4
                         I  30.4  I  25.7   I
                         I   4.7  I  21.7   I
                        -I--------I---------I
                     3.  I    42  I   206   I    248
   SOMEWHAT UNFAVOR      I  16.9  I  83.1   I    4.8
                         I   5.2  I   4.7   I
                         I   0.8  I   3.9   I
                        -I--------I---------I
                     4.  I    15  I    92   I    107
   VERY     UNFAVORA     I  14.0  I  86.0   I    2.1
                         I   1.9  I   2.1   I
                         I   0.3  I   1.8   I
                        -I--------I---------I
                 COLUMN      809     4408       5217
                  TOTAL     15.5     84.5      100.0

CHI SQUARE =      8.84020 WITH    3 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0315
CRAMER'S V =      0.04116
CONTINGENCY COEFFICIENT =      0.04113
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ9       DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00098 WITH RQ9       DEPENDENT.            =  0.00193 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00130
KENDALL'S TAU B =    -0.03484  SIGNIFICANCE =  0.0048
KENDALL'S TAU C =    -0.02476  SIGNIFICANCE =  0.0048
GAMMA =    -0.09511
SOMERS'S D (ASYMMETRIC) = -0.04724 WITH RQ9       DEPENDENT.           = -0.02569 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.03328
ETA =  0.02686 WITH RQ9       DEPENDENT.          =  0.04114 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.02685  SIGNIFICANCE =  0.0262

NUMBER OF MISSING OBSERVATIONS =      294
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                            11/27/84        PAGE   16

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * * *
    RQ10      COMPUTER CAT COMPARED TO OTHER CAT          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                    LOCATION
            COUNT  I
          ROW PCT  INYU      OTHER AR   ROW
          COL PCT  I         L          TOTAL
          TOT PCT  I       1.I       2.I
RQ10      ---------I---------I---------I
               1.  I   531   I  3032   I  3563
  BETTER           I  14.9   I  85.1   !  73.5
                   I  71.1   I  74.0   I
                   I  11.0   I  62.6   I
                  -I---------I---------I
               2.  I   118   I   702   I   820
  EQUAL            I  14.4   I  85.6   I  16.9
                   I  15.8   I  17.1   I
                   I   2.4   I  14.5   I
                  -I---------I---------I
               3.  I    98   I   365   I   463
  WORSE            I  21.2   I  78.8   I   9.6
                   I  13.1   I   8.9   I
                   I   2.0   I   7.5   I
                  -I---------I---------I
           COLUMN      747      4099      4846
            TOTAL     15.4      84.6     100.0

CHI SQUARE =     13.12205 WITH   2 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0014
CRAMER'S V =    0.05204
CONTINGENCY COEFFICIENT =    0.05197
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ10     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00167 WITH RQ10     DEPENDENT.          =  0.00291 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00212
KENDALL'S TAU B =   -0.02929  SIGNIFICANCE =  0.0179
KENDALL'S TAU C =   -0.01943  SIGNIFICANCE =  0.0179
GAMMA =   -0.08554
SOMERS'S D (ASYMMETRIC) = -0.03725 WITH RQ10     DEPENDENT.          = -0.02304 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.02847
ETA =  0.03948 WITH RQ10     DEPENDENT.          =  0.05205 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.03948  SIGNIFICANCE =  0.0030

NUMBER OF MISSING OBSERVATIONS =     665
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CPU TIME REQUIRED..   24.06 SECONDS


          31 REPORT           FORMAT= CHDSPACE(0) BRKSPACE(0)/
          32                  STRING= A('     ')/
          33                  VARS=
          34                  RQ11 'RQ11' 'SRCH ' ' BY  ' 'TITLE'(5)
          35                  RQ13 'RQ13' 'SRCH ' ' BY  ' 'SUBJ.' (5)
          36                  RQ15 'RQ15' 'SRCH ' ' BY  ' 'AUTH/' 'TITLE' (5)
          37                  RQ17 'RQ17' 'FIND ' 'SUBJ.' 'TERM ' (5)
          38                  RQ19 'RQ19' 'INCR.' 'RE-  ' 'SULTS' (5)
          39                  RQ21 'RQ21' 'UNDER' 'STAND' 'ING  ' 'EXPLN' (5)
          40                  RQ24 'RQ24' 'LOCAT' 'CALL' 'NUMB.' (5)
          41                  RQ26 'RQ26' 'USING' 'LOGIC' 'TERMS' (5)
          42                  RQ30 'RQ30' 'UNDER' 'STAND' 'ING  ' 'DIS- ' 'PLAY '
          43                  'MULT.' (5)
          44                  RQ32 'RQ32' 'TYP- ' 'ING ' 'EXACT' 'SPEL.' (5)
          45                  RQ35 'RQ35' 'DIS- ' 'PLAY ' 'MSG.S' 'TOO  ' 'LONG '(5)
          46                  RQ36 'RQ36' 'SEL- ' 'ECT  ' 'FROM ' 'LIST ' (5)
          47                  RQ37 'RQ37' 'ENTER' 'ING  ' 'COM- ' 'ANDS ' (5)
          48                  RQ40 'RQ40' 'SIGNS' ' AND ' 'BRO- ' 'CHURE' (5)
          49                  RQ41 'RQ41' 'STAFF' 'AD-  ' 'VICE ' (5)
          50                  RQ42 'RQ42' 'HARD ' ' TO  ' 'FIND ' 'FREE.' 'TERM '(5) /
          51                  MISSING = NONE /
          52                  CHEAD = 'NEGATIVELY PHRASED LIKERT QUESTIONS'
          53                          '(I.E., XXX IS DIFFICULT)'
          54                          '(MISSING VALS INCLUDED)'/
          55                  BREAK= A' '/
          56                  SUMMARY=
          57                  ABFREQ(-2,99)
          58                  RELFREQ(-2,99)

REPORT REQUIRES    10272 BYTES FOR THIS TASK
```

NEGATIVELY PHRASED LIKERT QUESTIONS
(I.E., XXX IS DIFFICULT)
(MISSING VALS INCLUDED)

	RQ11 SRCH BY TITLE	RQ13 SRCH BY SUBJ.	RQ15 SRCH BY AUTH/ TITLE	RQ17 FIND SUBJ. TERM	RQ19 INCR. RE- SULTS	RQ21 UNDER STAND ING EXPLN	RQ24 LOCAT CALL NUMB.	RQ26 USING LOGIC TERMS	RQ30 UNDER STAND ING DIS- PLAY MULT.	RQ32 TYP- ING EXACT SPEL.	RQ35 DIS- PLAY MSG.S TOO LONG	RQ36 SEL- ECT FROM LIST	RQ37 ENTER ING COM- ANDS	RQ40 SIGNS AND BRO- CHURE	RQ41 STAFF AD- VICE	RQ42 HARD TO FIND FREE TERM
ABFR																
TOTA	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511
-2	1689	959	1347	364	115	1495	1345	403	932	960	700	482	473	840	796	611
-1	1982	1455	1347	1272	370	2444	2271	767	2561	2161	2477	2223	1866	2172	1466	1928
0	508	630	583	809	417	425	475	570	620	656	953	932	806	743	813	721
1	432	1091	306	1435	649	409	434	320	363	740	342	647	879	369	304	815
2	165	513	148	693	356	155	181	182	142	251	146	246	348	225	162	515
8	290	258	632	291	394	94	224	730	226	114	195	170	417	329	1191	193
9	445	501	532	543	520	489	581	572	667	629	698	716	722	833	779	728
99	0	104	616	104	2690	0	0	1967	0	0	0	95	0	0	0	0
RELF																
TOTA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-2	30.65	17.40	24.44	6.60	2.09	27.13	24.41	7.31	16.91	17.42	12.70	8.75	8.58	15.24	14.44	11.09
-1	35.96	26.40	24.44	23.08	6.71	44.35	41.21	13.92	46.47	39.21	44.95	40.34	33.86	39.41	26.60	34.98
0	9.22	11.43	10.58	14.68	7.57	7.71	8.62	10.34	11.25	11.90	17.29	16.91	14.63	13.48	14.75	13.08
1	7.84	19.80	5.55	26.04	11.78	7.42	7.88	5.81	6.59	13.43	6.21	11.74	15.95	6.70	5.52	14.79
2	2.99	9.31	2.69	12.57	6.46	2.81	3.28	3.30	2.58	4.55	2.65	4.46	6.31	4.08	2.94	9.34
8	5.26	4.68	11.47	5.28	7.15	1.71	4.06	13.25	4.10	2.07	3.54	3.08	7.57	5.97	21.61	3.50
9	8.07	9.09	9.65	9.85	9.44	8.87	10.54	10.38	12.10	11.41	12.67	12.99	13.10	15.12	14.14	13.21
99	0.0	1.89	11.18	1.89	48.81	0.0	0.0	35.69	0.0	0.0	0.0	1.72	0.0	0.0	0.0	0.0

```
CPU TIME REQUIRED..    39.69 SECONDS

REPORT          FORMAT= CHDSPACE(0) BRKSPACE(0)/
                STRING= A('     ')/
                VARS=
                RQ11 'RQ11' 'SRCH ' ' BY  ' 'TITLE'(5)
                RQ13 'RQ13' 'SRCH ' ' BY  ' 'SUBJ.' (5)
                RQ15 'RQ15' 'SRCH ' ' BY  ' 'AUTH/' 'TITLE' (5)
                RQ17 'RQ17' 'FIND ' 'SUBJ.' 'TERM ' (5)
                RQ19 'RQ19' 'INCR.' 'RE-  ' 'SULTS' (5)
                RQ21 'RQ21' 'UNDER' 'STAND' 'ING  ' 'EXPLN' (5)
                RQ24 'RQ24' 'LOCAT' 'CALL' 'NUMB.' (5)
                RQ26 'RQ26' 'USING' 'LOGIC' 'TERMS' (5)
                RQ30 'RQ30' 'UNDER' 'STAND' 'ING  ' 'DIS- ' 'PLAY '(5)
                RQ32 'RQ32' 'TYP- ' 'ING ' 'EXACT' 'SPEL.' (5)
                RQ35 'RQ35' 'DIS- ' 'PLAY ' 'MSG.S' 'TOO  ' 'LONG '(5)
                RQ36 'RQ36' 'SEL- ' 'ECT  ' 'FROM ' 'LIST ' (5)
                RQ37 'RQ37' 'ENTER' 'ING  ' 'COM- ' 'ANDS ' (5)
                RQ40 'RQ40' 'SIGNS' ' AND ' 'BRO- ' 'CHURE' (5)
                RQ41 'RQ41' 'STAFF' 'AD-  ' 'VICE ' (5)
                RQ42 'RQ42' 'HARD ' ' TO  ' 'FIND ' 'FREE ' 'TERM '(5)/
                CHEAD = 'NEGATIVELY PHRASED LIKERT QUESTIONS'
                '(I.E., XXX IS DIFFICULT)'
                '(MISSING VALS EXCLUDED)'/
                BREAK= A''/
                SUMMARY=
                ABFREQ(-2,2)
                RELFREQ(-2,2)
                MEAN  STDEV  SKEWNESS KURTOSIS MEDIAN(-2,2) MODE (-2,2)
REPORT REQUIRES     4088 BYTES FOR THIS TASK
```

NEGATIVELY PHRASED LIKERT QUESTIONS
(I.E., XXX IS DIFFICULT)
(MISSING VALS EXCLUDED)

	RQ11 SRCH BY TITLE	RQ13 SRCH BY SUBJ.	RQ15 SRCH BY AUTH/ TITLE	RQ17 FIND SUBJ. TERM	RQ19 INCR. RE- SULTS	RQ21 UNDER STAND ING EXPLN	RQ24 LOCAT CALL NUMB.	RQ26 USING LOGIC TERMS	RQ30 UNDER STAND ING DIS- PLAY	RQ32 TYP- ING EXACT SPEL.	RQ35 DIS- PLAY MSG.S TOO LONG	RQ36 SEL- ECT FROM LIST	RQ37 ENTER ING COM- ANDS	RQ40 SIGNS AND BRO- CHURE	RQ41 STAFF AD- VICE	RQ42 HARD TO FIND FREE TERM
ABFR																
TOTA	4776	4648	3731	4573	1907	4928	4706	2242	4618	4768	4618	4530	4372	4349	3541	4590
-2	1689	959	1347	364	115	1495	1345	403	932	960	700	482	473	840	796	611
-1	1982	1455	1347	1272	370	2444	2271	767	2561	2161	2477	2223	1866	2172	1466	1928
0	508	630	583	809	417	425	475	570	620	656	953	932	806	743	813	721
1	432	1091	306	1435	649	409	434	320	363	740	342	647	879	369	304	815
2	165	513	148	693	356	155	181	182	142	251	146	246	348	225	162	515
RELF																
TOTA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-2	35.36	20.63	36.10	7.96	6.03	30.34	28.58	17.98	20.18	20.13	15.16	10.64	10.82	19.31	22.48	13.31
-1	41.50	31.30	36.10	27.82	19.40	49.59	48.26	34.21	55.46	45.32	53.64	49.07	42.68	49.94	41.40	42.00
0	10.64	13.55	15.63	17.69	21.87	8.62	10.09	25.42	13.43	13.76	20.64	20.57	18.44	17.08	22.96	15.71
1	9.05	23.47	8.20	31.38	34.03	8.30	9.22	14.27	7.86	15.52	7.41	14.28	20.11	8.48	8.59	17.76
2	3.45	11.04	3.97	15.15	18.67	3.15	3.85	8.12	3.07	5.26	3.16	5.43	7.96	5.17	4.57	11.22
MEAN	-.96	-.27	-.92	.18	.40	-.96	-.89	-.40	-.82	-.60	-.70	-.45	-.28	-.70	-.69	-.28
STDE	1.06	1.32	1.09	1.22	1.17	1.00	1.04	1.17	.95	1.13	.92	1.04	1.14	1.04	1.05	1.22
SKEW	1.066	.255	.949	-.107	-.338	1.161	1.070	.440	1.062	.693	.913	.704	.453	.937	.726	.486
KURT	.521	-1.19	.224	-1.12	-.837	1.032	.658	-.627	1.071	-.390	.866	-.160	-.770	.485	.081	-.859
MEDI	-1.1	-.6	-1.1	.3	.6	-1.1	-1.1	-.6	-1.0	-.8	-.9	-.7	-.6	-.9	-.8	-.6
MODE	-1	-1	-2	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

```
CPU TIME REQUIRED..   63.71 SECONDS


          86 REPORT          FORMAT= CHDSPACE(0) BRKSPACE(0)/
          87                 STRING= A('     ')/
          88                 VARS=
          89                 RQ12 'RQ12' 'SRCH ' ' BY  ' 'AUTH.' (5)
          90                 RQ14 'RQ14' 'SRCH ' ' BY  ' 'CALL ' 'NUMB.' (5)
          91                 RQ16 'RQ16' 'REMEM' 'BER  ' 'COM- ' 'MANDS' (5)
          92                 RQ18 'RQ18' 'SCAN-' 'NING ' 'THRU ' 'LONG ' 'DISP.' (5)
          93                 RQ20 'RQ20' 'REDUC' 'ING  ' 'RE-  ' 'SULTS' (5)
          94                 RQ22 'RQ22' 'USING' 'CODES' ' OR  ' 'ABREV' (5)
          95                 RQ23 'RQ23' 'ABREV' ' ON  ' 'SCRN.' (5)
          96                 RQ25 'RQ25' 'SRCH ' 'WITH ' 'TRUN-' 'CATE ' (5)
          97                 RQ27 'RQ27' 'REMEM' 'BER  ' 'EXACT' 'ORDER'(5)
          98                 RQ29 'RQ29' 'UNDER' 'STAND' 'ING  ' 'DISP ' 'SING.'(5)
          99                 RQ31 'RQ31' 'INTER' 'RUPT ' 'DISP.' (5)
         100                 RQ33 'RQ33' 'KNOW ' 'WHATS' 'INC- ' 'LUDED' (5)
         101                 RQ34 'RQ34' 'ORDER' ' OF  ' 'DISP.' 'ITEMS' (5)
         102                 RQ39 'RQ39' 'AVAIL' ' OF  ' 'SIGNS' 'ADE- ' 'QUATE'(5)/
         103                 MISSING = NONE /
         104                 CHEAD = 'POSITIVELY PHRASED LIKERT QUESTIONS'
         105                 '(I.E., XXX IS EASY)'
         106                 '(MISSING VALS INCLUDED)'/
         107                 BREAK= A''/
         108                 SUMMARY=
         109                 ABFREQ(-2,99)
         110                 RELFREQ(-2,99)

REPORT REQUIRES     9132 BYTES FOR THIS TASK
```

POSITIVELY PHRASED LIKERT QUESTIONS
(I.E., XXX IS EASY)
(MISSING VALS INCLUDED)

	RQ12 SRCH BY AUTH.	RQ14 SRCH BY CALL NUMB.	RQ16 REMEMBER COMMANDS	RQ18 SCANNING THRU LONG DISP.	RQ20 REDUCING RESULTS	RQ22 USING CODES OR ABREV	RQ23 ABREV ON SCRN.	RQ25 SRCH WITH TRUNCATE	RQ27 REMEMBER EXACT ORDER	RQ29 UNDERSTANDING DISPSING.	RQ31 INTERRUPT DISP.	RQ33 KNOW WHATS INCLUDED	RQ34 ORDER OF DISP. ITEMS	RQ39 AVAIL OF SIGNS ADEQUATE
ABFR														
TOTA	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511	5511
-2	123	140	176	316	239	118	129	268	108	80	255	346	113	243
-1	321	235	762	1056	911	521	532	875	720	336	797	1374	452	743
0	394	514	759	804	1075	734	678	1068	838	452	708	1126	740	627
1	2237	966	2018	1761	1242	2210	2416	1211	2043	2535	1648	1156	2469	2156
2	1789	861	1041	773	507	1071	1083	530	845	1283	799	428	977	730
8	218	1116	268	258	822	310	111	902	345	140	663	348	112	230
9	429	316	487	543	715	547	562	657	612	685	641	733	648	782
99	0	1363	0	0	0	0	0	0	0	0	0	0	0	0
RELF														
TOTA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-2	2.23	2.54	3.19	5.73	4.34	2.14	2.34	4.86	1.96	1.45	4.63	6.28	2.05	4.41
-1	5.82	4.26	13.83	19.16	16.53	9.45	9.65	15.88	13.06	6.10	14.46	24.93	8.20	13.48
0	7.15	9.33	13.77	14.59	19.51	13.32	12.30	19.38	15.21	8.20	12.85	20.43	13.43	11.38
1	40.59	17.53	36.62	31.95	22.54	40.10	43.84	21.97	37.07	46.00	29.90	20.98	44.80	39.12
2	32.46	15.62	18.89	14.03	9.20	19.43	19.65	9.62	15.33	23.28	14.50	7.77	17.73	13.25
8	3.96	20.25	4.86	4.68	14.92	5.63	2.01	16.37	6.26	2.54	12.03	6.31	2.03	4.17
9	7.78	5.73	8.84	9.85	12.97	9.93	10.20	11.92	11.11	12.43	11.63	13.30	11.76	14.19
99	0.0	24.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

```
CPU TIME REQUIRED..   35.50 SECONDS


      111 REPORT          FORMAT= CHDSPACE(0) BRKSPACE(0)/
      112                 STRING= A('    ')/
      113                 VARS=
      114                 RQ12 'RQ12' 'SRCH ' ' BY  ' 'AUTH.' (5)
      115                 RQ14 'RQ14' 'SRCH ' ' BY  ' 'CALL ' 'NUMB.' (5)
      116                 RQ16 'RQ16' 'REMEM' 'BER  ' 'COM- ' 'MANDS' (5)
      117                 RQ18 'RQ18' 'SCAN-' 'NING ' 'THRU ' 'LONG ' 'DISP.' (5)
      118                 RQ20 'RQ20' 'REDUC' 'ING  ' 'RE-  ' 'SULTS' (5)
      119                 RQ22 'RQ22' 'USING' 'CODES' ' OR  ' 'ABREV' (5)
      120                 RQ23 'RQ23' 'ABREV' ' ON  ' 'SCRN.' (5)
      121                 RQ25 'RQ25' 'SRCH ' 'WITH ' 'TRUN-' 'CATE ' (5)
      122                 RQ27 'RQ27' 'REMEM' 'BER  ' 'EXACT' 'ORDER'(5)
      123                 RQ29 'RQ29' 'UNDER' 'STAND' 'ING  ' 'DISP ' 'SING.'(5)
      124                 RQ31 'RQ31' 'INTER' 'RUPT ' 'DISP.' (5)
      125                 RQ33 'RQ33' 'KNOW ' 'WHATS' 'INC- ' 'LUDED' (5)
      126                 RQ34 'RQ34' 'ORDER' ' OF  ' 'DISP.' 'ITEMS' (5)
      127                 RQ39 'RQ39' 'AVAIL' ' OF  ' 'SIGNS' 'ADE- ' 'QUATE'(5)/
      128                 CHEAD = 'POSITIVELY PHRASED LIKERT QUESTIONS'
      129                 '(I.E.,  XXX IS EASY)'
      130                 '(MISSING VALS EXCLUDED)'/
      131                 BREAK= A''/
      132                 SUMMARY=
      133                 ABFREQ(-2,2)
      134                 RELFREQ(-2,2)
      135                 MEAN  STDEV  SKEWNESS KURTOSIS MEDIAN(-2,2) MODE (-2,2)

REPORT REQUIRES     3740 BYTES FOR THIS TASK
```

POSITIVELY PHRASED LIKERT QUESTIONS
(I.E., XXX IS EASY)
(MISSING VALS EXCLUDED)

	RQ12 SRCH BY AUTH.	RQ14 SRCH BY CALL NUMB.	RQ16 REMEMBER COM-MANDS	RQ18 SCAN-NING THRU LONG DISP.	RQ20 REDUCING RE-SULTS	RQ22 USING CODES OR ABREV	RQ23 ABREV ON SCRN.	RQ25 SRCH WITH TRUN-CATE	RQ27 REMEMBER EXACT ORDER	RQ29 UNDERSTANDING DISP SING.	RQ31 INTERRUPT DISP.	RQ33 KNOW WHATS INC-LUDED	RQ34 ORDER OF DISP. ITEMS	RQ39 AVAIL OF SIGNS ADE-QUATE
ABFR														
TOTA	4864	2716	4756	4710	3974	4654	4838	3952	4554	4686	4207	4430	4751	4499
-2	123	140	176	316	239	118	129	268	108	80	255	346	113	243
-1	321	235	762	1056	911	521	532	875	720	336	797	1374	452	743
0	394	514	759	804	1075	734	678	1068	838	452	708	1126	740	627
1	2237	966	2018	1761	1242	2210	2416	1211	2043	2535	1648	1156	2469	2156
2	1789	861	1041	773	507	1071	1083	530	845	1283	799	428	977	730
RELF														
TOTA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-2	2.53	5.15	3.70	6.71	6.01	2.54	2.67	6.78	2.37	1.71	6.06	7.81	2.38	5.40
-1	6.60	8.65	16.02	22.42	22.92	11.19	11.00	22.14	15.81	7.17	18.94	31.02	9.51	16.51
0	8.10	18.92	15.96	17.07	27.05	15.77	14.01	27.02	18.40	9.65	16.83	25.42	15.58	13.94
1	45.99	35.57	42.43	37.39	31.25	47.49	49.94	30.64	44.86	54.10	39.17	26.09	51.97	47.92
2	36.78	31.70	21.89	16.41	12.76	23.01	22.39	13.41	18.56	27.38	18.99	9.66	20.56	16.23
MEAN	1.08	.80	.63	.34	.22	.77	.78	.22	.61	.98	.46	-.01	.79	.53
STDE	.97	1.13	1.10	1.19	1.12	1.01	1.00	1.14	1.03	.90	1.17	1.13	.95	1.11
SKEW	-1.27	-.821	-.609	-.338	-.146	-.791	-.863	-.161	-.556	-1.12	-.472	.102	-.880	-.679
KURT	1.449	-.044	-.489	-.941	-.829	.109	.279	-.833	-.449	1.331	-.769	-.908	.513	-.405
MEDI	1.2	1.0	.8	.6	.3	.9	.9	.3	.8	1.1	.7	-.1	.9	.8
MODE	1	1	1	1	1	1	1	1	1	1	1	-1	1	1

```
CPU TIME REQUIRED..    57.19 SECONDS

            136 CROSSTABS       TABLES= RQ11 TO RQ43G BY LOCATION
            137 STATISTICS      ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                            11/27/84       PAGE  22

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ11      SEARCH BY TITLE IS DIFFICULT                       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
            COUNT  I
          ROW PCT  INYU      OTHER AR    ROW
          COL PCT  I         L           TOTAL
          TOT PCT  I      1.I      2.I
RQ11      --------I--------I--------I
              -2.  I   247  I  1442  I   1689
  STRONGLY DISAGRE I  14.6  I  85.4  I   35.4
                   I  37.4  I  35.0  I
                   I   5.2  I  30.2  I
                  -I--------I--------I
              -1.  I   321  I  1661  I   1982
  DISAGREE         I  16.2  I  83.8  I   41.5
                   I  48.6  I  40.4  I
                   I   6.7  I  34.8  I
                  -I--------I--------I
               0.  I    14  I   494  I    508
  NEITHER A OR D   I   2.8  I  97.2  I   10.6
                   I   2.1  I  12.0  I
                   I   0.3  I  10.3  I
                  -I--------I--------I
               1.  I    27  I   405  I    432
  AGREE            I   6.3  I  93.8  I    9.0
                   I   4.1  I   9.8  I
                   I   0.6  I   8.5  I
                  -I--------I--------I
               2.  I    52  I   113  I    165
  STRONGLY AGREE   I  31.5  I  68.5  I    3.5
                   I   7.9  I   2.7  I
                   I   1.1  I   2.4  I
                  -I--------I--------I
           COLUMN      661      4115      4776
            TOTAL     13.8      86.2     100.0

CHI SQUARE =    126.53171 WITH    4 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0000
CRAMER'S V =     0.16277
CONTINGENCY COEFFICIENT =     0.16065
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ11      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01149 WITH RQ11      DEPENDENT.          =  0.03729 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01757
KENDALL'S TAU B =     0.03997  SIGNIFICANCE =  0.0015
KENDALL'S TAU C =     0.03224  SIGNIFICANCE =  0.0015
GAMMA =     0.10174
SOMERS'S D (ASYMMETRIC) =  0.06759 WITH RQ11      DEPENDENT.          =  0.02363 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.03502
```

```
ETA =  0.02717 WITH RQ11      DEPENDENT.           =  0.16278 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.02715  SIGNIFICANCE =  0.0303

NUMBER OF MISSING OBSERVATIONS =      735
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84         PAGE   24

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
   RQ12      SEARCH BY AUTHOR IS EASY                          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
              COUNT I
            ROW PCT INYU      OTHER AR   ROW
            COL PCT I         L          TOTAL
            TOT PCT I      1.I      2.I
RQ12        --------I--------I--------I
                -2. I    17  I   106  I   123
  STRONGLY DISAGRE  I  13.8  I  86.2  I   2.5
                    I   2.4  I   2.5  I
                    I   0.3  I   2.2  I
                   -I--------I--------I
                -1. I    34  I   287  I   321
  DISAGREE          I  10.6  I  89.4  I   6.6
                    I   4.8  I   6.9  I
                    I   0.7  I   5.9  I
                   -I--------I--------I
                 0. I     5  I   389  I   394
  NEITHER A OR D    I   1.3  I  98.7  I   8.1
                    I   0.7  I   9.4  I
                    I   0.1  I   8.0  I
                   -I--------I--------I
                 1. I   289  I  1948  I  2237
  AGREE             I  12.9  I  87.1  I  46.0
                    I  40.9  I  46.9  I
                    I   5.9  I  40.0  I
                   -I--------I--------I
                 2. I   362  I  1427  I  1789
  STRONGLY AGREE    I  20.2  I  79.8  I  36.8
                    I  51.2  I  34.3  I
                    I   7.4  I  29.3  I
                   -I--------I--------I
             COLUMN     707     4157     4864
              TOTAL    14.5     85.5    100.0

CHI SQUARE =    111.37212 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =    0.15132
CONTINGENCY COEFFICIENT =     0.14962
LAMBDA (ASYMMETRIC) =  0.02779 WITH RQ12     DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.02190
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01196 WITH RQ12     DEPENDENT.          =  0.03464 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01778
KENDALL'S TAU B =    -0.12570  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.10038  SIGNIFICANCE =  0.0000
GAMMA =    -0.32163
SOMERS'S D (ASYMMETRIC) = -0.20201 WITH RQ12     DEPENDENT.          = -0.07822 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.11277
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```
ETA =  0.10996 WITH RQ12      DEPENDENT.             =  0.15130 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.10995  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      647
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84        PAGE   26

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ13      SEARCH BY SUBJECT IS DIFFICULT                BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
            COUNT  I
          ROW PCT  INYU      OTHER AR   ROW
          COL PCT  I         L          TOTAL
          TOT PCT  I      1.I      2.I
RQ13      --------I--------I--------I
              -2.  I   136  I   823  I   959
  STRONGLY DISAGRE I  14.2  I  85.8  I  20.6
                   I  21.1  I  20.6  I
                   I   2.9  I  17.7  I
                  -I--------I--------I
              -1.  I   233  I  1222  I  1455
  DISAGREE         I  16.0  I  84.0  I  31.3
                   I  36.1  I  30.5  I
                   I   5.0  I  26.3  I
                  -I--------I--------I
               0.  I    15  I   615  I   630
  NEITHER A OR D   I   2.4  I  97.6  I  13.6
                   I   2.3  I  15.4  I
                   I   0.3  I  13.2  I
                  -I--------I--------I
               1.  I    93  I   998  I  1091
  AGREE            I   8.5  I  91.5  I  23.5
                   I  14.4  I  24.9  I
                   I   2.0  I  21.5  I
                  -I--------I--------I
               2.  I   168  I   345  I   513
  STRONGLY AGREE   I  32.7  I  67.3  I  11.0
                   I  26.0  I   8.6  I
                   I   3.6  I   7.4  I
                  -I--------I--------I
           COLUMN     645      4003     4648
            TOTAL    13.9      86.1    100.0

CHI SQUARE =    254.32349 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.23392
CONTINGENCY COEFFICIENT =     0.22777
LAMBDA (ASYMMETRIC) =  0.0     WITH RQ13     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01772 WITH RQ13     DEPENDENT.          =  0.06790 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02810
KENDALL'S TAU B =    -0.03088  SIGNIFICANCE =  0.0098
KENDALL'S TAU C =    -0.02656  SIGNIFICANCE =  0.0098
GAMMA =    -0.07082
SOMERS'S D (ASYMMETRIC) = -0.05555 WITH RQ13     DEPENDENT.          = -0.01716 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.02622
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ETA =  0.04636 WITH RQ13      DEPENDENT.          =  0.23393 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.04635  SIGNIFICANCE =  0.0008

NUMBER OF MISSING OBSERVATIONS =      863
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84       PAGE   28

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ14     SEARCH BY CALL NUMBER IS EASY                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                      LOCATION
              COUNT  I
             ROW PCT INYU       OTHER AR   ROW
             COL PCT I          L          TOTAL
             TOT PCT I       1.I       2.I
RQ14         --------I--------I--------I
                -2.  I    35  I   105  I    140
  STRONGLY DISAGRE   I  25.0  I  75.0  I    5.2
                     I   9.5  I   4.5  I
                     I   1.3  I   3.9  I
                    -I--------I--------I
                -1.  I    41  I   194  I    235
  DISAGREE           I  17.4  I  82.6  I    8.7
                     I  11.1  I   8.3  I
                     I   1.5  I   7.1  I
                    -I--------I--------I
                 0.  I    15  I   499  I    514
  NEITHER A OR D     I   2.9  I  97.1  I   18.9
                     I   4.1  I  21.3  I
                     I   0.6  I  18.4  I
                    -I--------I--------I
                 1.  I   127  I   839  I    966
  AGREE              I  13.1  I  86.9  I   35.6
                     I  34.5  I  35.7  I
                     I   4.7  I  30.9  I
                    -I--------I--------I
                 2.  I   150  I   711  I    861
  STRONGLY AGREE     I  17.4  I  82.6  I   31.7
                     I  40.8  I  30.3  I
                     I   5.5  I  26.2  I
                    -I--------I--------I
             COLUMN     368      2348      2716
              TOTAL    13.5      86.5     100.0

CHI SQUARE =    79.46785 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =    0.17105
CONTINGENCY COEFFICIENT =    0.16860
LAMBDA (ASYMMETRIC) =  0.01314 WITH RQ14     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01086
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01251 WITH RQ14     DEPENDENT.          =  0.04452 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01954
KENDALL'S TAU B =   -0.05231  SIGNIFICANCE =  0.0015
KENDALL'S TAU C =   -0.04318  SIGNIFICANCE =  0.0015
GAMMA =   -0.12604
SOMERS'S D (ASYMMETRIC) = -0.09215 WITH RQ14     DEPENDENT.          = -0.02969 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.04491
```

```
ETA =  0.02054 WITH RQ14     DEPENDENT.             =  0.17107 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.02054  SIGNIFICANCE =  0.1423

NUMBER OF MISSING OBSERVATIONS =    2795
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE   30

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ15      SEARCH BY AUTHOR-TITLE IS DIFFICULT          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                  LOCATION
          COUNT  I
         ROW PCT IINYU      OTHER AR    ROW
         COL PCT I          L           TOTAL
         TOT PCT I      1.I      2.I
RQ15     --------I--------I--------I
             -2.  I   205  I  1142  I   1347
  STRONGLY DISAGRE I  15.2  I  84.8  I   36.1
                  I  38.6  I  35.7  I
                  I   5.5  I  30.6  I
                 -I--------I--------I
             -1.  I   230  I  1117  I   1347
  DISAGREE        I  17.1  I  82.9  I   36.1
                  I  43.3  I  34.9  I
                  I   6.2  I  29.9  I
                 -I--------I--------I
              0.  I    19  I   564  I    583
  NEITHER A OR D  I   3.3  I  96.7  I   15.6
                  I   3.6  I  17.6  I
                  I   0.5  I  15.1  I
                 -I--------I--------I
              1.  I    24  I   282  I    306
  AGREE           I   7.8  I  92.2  I    8.2
                  I   4.5  I   8.8  I
                  I   0.6  I   7.6  I
                 -I--------I--------I
              2.  I    53  I    95  I    148
  STRONGLY AGREE  I  35.8  I  64.2  I    4.0
                  I  10.0  I   3.0  I
                  I   1.4  I   2.5  I
                 -I--------I--------I
          COLUMN     531      3200      3731
           TOTAL    14.2      85.8     100.0

CHI SQUARE =   134.19170 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =    0.18965
CONTINGENCY COEFFICIENT =     0.18633
LAMBDA (ASYMMETRIC) =  0.01049 WITH RQ15     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.00858
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01420 WITH RQ15     DEPENDENT.           =  0.04716 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02183
KENDALL'S TAU B =     0.03800  SIGNIFICANCE =  0.0059
KENDALL'S TAU C =     0.03157  SIGNIFICANCE =  0.0059
GAMMA =     0.09266
SOMERS'S D (ASYMMETRIC) =  0.06466 WITH RQ15     DEPENDENT.           =  0.02234 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.03321
```

```
ETA =  0.01443 WITH RQ15      DEPENDENT.           =  0.18964 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.01441  SIGNIFICANCE =  0.1894

NUMBER OF MISSING OBSERVATIONS =     1780
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                  11/27/84        PAGE   32

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ16      REMBERING COMMANDS EASY                                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
             COUNT  I
           ROW PCT  INYU        OTHER AR   ROW
           COL PCT  I           L          TOTAL
           TOT PCT  I       1.I       2.I
RQ16       --------I--------I--------I
               -2.  I    11  I   165  I    176
  STRONGLY DISAGRE  I   6.3  I  93.8  I    3.7
                    I   1.6  I   4.0  I
                    I   0.2  I   3.5  I
                   -I--------I--------I
               -1.  I    80  I   682  I    762
  DISAGREE          I  10.5  I  89.5  I   16.0
                    I  11.8  I  16.7  I
                    I   1.7  I  14.3  I
                   -I--------I--------I
                0.  I    23  I   736  I    759
  NEITHER A OR D    I   3.0  I  97.0  I   16.0
                    I   3.4  I  18.0  I
                    I   0.5  I  15.5  I
                   -I--------I--------I
                1.  I   225  I  1793  I   2018
  AGREE             I  11.1  I  88.9  I   42.4
                    I  33.3  I  43.9  I
                    I   4.7  I  37.7  I
                   -I--------I--------I
                2.  I   337  I   704  I   1041
  STRONGLY AGREE    I  32.4  I  67.6  I   21.9
                    I  49.9  I  17.3  I
                    I   7.1  I  14.8  I
                   -I--------I--------I
            COLUMN      676      4080      4756
             TOTAL     14.2      85.8     100.0

CHI SQUARE =    392.68994 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.28735
CONTINGENCY COEFFICIENT =      0.27617
LAMBDA (ASYMMETRIC) =  0.04091 WITH RQ16      DEPENDENT.            =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.03281
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02742 WITH RQ16      DEPENDENT.            =  0.09420 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.04248
KENDALL'S TAU B =    -0.21298  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.17844  SIGNIFICANCE =  0.0000
GAMMA =    -0.49363
SOMERS'S D (ASYMMETRIC) = -0.36585 WITH RQ16      DEPENDENT.            = -0.12399 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.18521
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ETA =  0.20362 WITH RQ16      DEPENDENT.           =  0.28735 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.20362  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      755
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   34

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ17      FINDING CORRECT SUBJECT TERM DIFFICULT      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
            COUNT   I
          ROW PCT  INYU       OTHER AR   ROW
          COL PCT  I          L          TOTAL
          TOT PCT  I       1.I      2.I
RQ17      --------I--------I--------I
              -2.  I    69   I   295   I    364
  STRONGLY DISAGRE I  19.0   I  81.0   I    8.0
                   I  11.3   I   7.4   I
                   I   1.5   I   6.5   I
                  -I--------I--------I
              -1.  I   220   I  1052   I   1272
  DISAGREE         I  17.3   I  82.7   I   27.8
                   I  35.9   I  26.6   I
                   I   4.8   I  23.0   I
                  -I--------I--------I
               0.  I    23   I   786   I    809
  NEITHER A OR D   I   2.8   I  97.2   I   17.7
                   I   3.8   I  19.8   I
                   I   0.5   I  17.2   I
                  -I--------I--------I
               1.  I    94   I  1341   I   1435
  AGREE            I   6.6   I  93.4   I   31.4
                   I  15.4   I  33.9   I
                   I   2.1   I  29.3   I
                  -I--------I--------I
               2.  I   206   I   487   I    693
  STRONGLY AGREE   I  29.7   I  70.3   I   15.2
                   I  33.7   I  12.3   I
                   I   4.5   I  10.6   I
                  -I--------I--------I
            COLUMN     612      3961       4573
             TOTAL     13.4     86.6      100.0

CHI SQUARE =   321.54565 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.26517
CONTINGENCY COEFFICIENT =     0.25631
LAMBDA (ASYMMETRIC) =  0.04015 WITH RQ17     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.03360
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02370 WITH RQ17     DEPENDENT.          =  0.09114 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03762
KENDALL'S TAU B =    -0.02186  SIGNIFICANCE =  0.0512
KENDALL'S TAU C =    -0.01840  SIGNIFICANCE =  0.0512
GAMMA =   -0.04988
SOMERS'S D (ASYMMETRIC) = -0.03967 WITH RQ17     DEPENDENT.          = -0.01205 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.01848
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ETA =  0.02010 WITH RQ17      DEPENDENT.          =  0.26517 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.02010  SIGNIFICANCE =  0.0871

NUMBER OF MISSING OBSERVATIONS =      938
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE   36

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ18      SCANNING THROUGH  LONG DISPLAY EASY          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
           COUNT  I
          ROW PCT INYU      OTHER AR   ROW
          COL PCT I         L          TOTAL
          TOT PCT I      1.I      2.I
RQ18      --------I--------I--------I
              -2.  I    53  I   263  I   316
  STRONGLY DISAGRE I  16.8  I  83.2  I   6.7
                   I   7.8  I   6.5  I
                   I   1.1  I   5.6  I
                  -I--------I--------I
              -1.  I   146  I   910  I  1056
  DISAGREE         I  13.8  I  86.2  I  22.4
                   I  21.5  I  22.6  I
                   I   3.1  I  19.3  I
                  -I--------I--------I
               0.  I    12  I   792  I   804
  NEITHER A OR D   I   1.5  I  98.5  I  17.1
                   I   1.8  I  19.6  I
                   I   0.3  I  16.8  I
                  -I--------I--------I
               1.  I   156  I  1605  I  1761
  AGREE            I   8.9  I  91.1  I  37.4
                   I  23.0  I  39.8  I
                   I   3.3  I  34.1  I
                  -I--------I--------I
               2.  I   312  I   461  I   773
  STRONGLY AGREE   I  40.4  I  59.6  I  16.4
                   I  45.9  I  11.4  I
                   I   6.6  I   9.8  I
                  -I--------I--------I
           COLUMN     679      4031     4710
            TOTAL    14.4      85.6    100.0

CHI SQUARE =   576.41870 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.34983
CONTINGENCY COEFFICIENT =     0.33021
LAMBDA (ASYMMETRIC) =  0.05290 WITH RQ18     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.04300
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.03791 WITH RQ18     DEPENDENT.          =  0.13627 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.05931
KENDALL'S TAU B =    -0.15916  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.13689  SIGNIFICANCE =  0.0000
GAMMA =   -0.34720
SOMERS'S D (ASYMMETRIC) = -0.27737 WITH RQ18     DEPENDENT.          = -0.09133 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.13742
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ETA =  0.15024 WITH RQ18      DEPENDENT.           =  0.34983 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.15024  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     801
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE  38

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
    RQ19      INCREASING THE RESULT DIFF                      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
               COUNT  I
             ROW PCT  INYU       OTHER AR    ROW
             COL PCT  I          L           TOTAL
             TOT PCT  I       1.I       2.I
RQ19         --------I--------I--------I
                 -2.  I    29   I    86   I    115
  STRONGLY DISAGRE    I  25.2   I  74.8   I    6.0
                      I   6.1   I   6.0   I
                      I   1.5   I   4.5   I
                     -I--------I--------I
                 -1.  I   115   I   255   I    370
  DISAGREE            I  31.1   I  68.9   I   19.4
                      I  24.3   I  17.8   I
                      I   6.0   I  13.4   I
                     -I--------I--------I
                  0.  I    33   I   384   I    417
  NEITHER A OR D      I   7.9   I  92.1   I   21.9
                      I   7.0   I  26.8   I
                      I   1.7   I  20.1   I
                     -I--------I--------I
                  1.  I    78   I   571   I    649
  AGREE               I  12.0   I  88.0   I   34.0
                      I  16.5   I  39.8   I
                      I   4.1   I  29.9   I
                     -I--------I--------I
                  2.  I   219   I   137   I    356
  STRONGLY AGREE      I  61.5   I  38.5   I   18.7
                      I  46.2   I   9.6   I
                      I  11.5   I   7.2   I
                     -I--------I--------I
              COLUMN      474      1433       1907
               TOTAL     24.9      75.1      100.0

CHI SQUARE =    385.20605 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.44944
CONTINGENCY COEFFICIENT =      0.40994
LAMBDA (ASYMMETRIC) =  0.11208 WITH RQ19      DEPENDENT.            =  0.17300 WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.12875
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.06436 WITH RQ19      DEPENDENT.           =  0.17218 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.09370
KENDALL'S TAU B =    -0.16803  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.17909  SIGNIFICANCE =  0.0000
GAMMA =    -0.29065
SOMERS'S D (ASYMMETRIC) = -0.23971 WITH RQ19      DEPENDENT.          = -0.11779 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.15796
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```
ETA =  0.15989 WITH RQ19      DEPENDENT.            =  0.44944 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.15989  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     3604
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                     11/27/84        PAGE   40

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ20      REDUCING THE RESULT EASY                        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LOCATION
              COUNT   I
            ROW PCT   INYU       OTHER AR   ROW
            COL PCT   I          L          TOTAL
            TOT PCT   I       1.I       2.I
RQ20          --------I---------I---------I
                -2.   I    20   I   219   I    239
  STRONGLY DISAGRE    I   8.4   I  91.6   I    6.0
                      I   4.6   I   6.2   I
                      I   0.5   I   5.5   I
                     -I---------I---------I
                -1.   I   133   I   778   I    911
  DISAGREE            I  14.6   I  85.4   I   22.9
                      I  30.6   I  22.0   I
                      I   3.3   I  19.6   I
                     -I---------I---------I
                 0.   I    37   I  1038   I   1075
  NEITHER A OR D      I   3.4   I  96.6   I   27.1
                      I   8.5   I  29.3   I
                      I   0.9   I  26.1   I
                     -I---------I---------I
                 1.   I    70   I  1172   I   1242
  AGREE               I   5.6   I  94.4   I   31.3
                      I  16.1   I  33.1   I
                      I   1.8   I  29.5   I
                     -I---------I---------I
                 2.   I   174   I   333   I    507
  STRONGLY AGREE      I  34.3   I  65.7   I   12.8
                      I  40.1   I   9.4   I
                      I   4.4   I   8.4   I
                     -I---------I---------I
             COLUMN       434      3540       3974
              TOTAL      10.9      89.1      100.0

CHI SQUARE =    397.07178 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.31610
CONTINGENCY COEFFICIENT =      0.30140
LAMBDA (ASYMMETRIC) =  0.03807 WITH RQ20      DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.03285
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02821 WITH RQ20      DEPENDENT.           =  0.12159 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.04579
KENDALL'S TAU B =    -0.09335  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.07164  SIGNIFICANCE =  0.0000
GAMMA =    -0.22626
SOMERS'S D (ASYMMETRIC) = -0.18410 WITH RQ20      DEPENDENT.          = -0.04734 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.07531
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ETA =  0.10868 WITH RQ20      DEPENDENT.          =  0.31610 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.10868  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     1537
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84       PAGE   42

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
    RQ21      UNDERSTAND SCREEN EXPLANATIONS DIFF           BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
          COUNT   I
          ROW PCT INYU       OTHER AR   ROW
          COL PCT I          L          TOTAL
          TOT PCT I      1.I      2.I
RQ21      --------I--------I--------I
              -2.  I   315  I  1180  I  1495
  STRONGLY DISAGRE I  21.1  I  78.9  I  30.3
                   I  42.7  I  28.2  I
                   I   6.4  I  23.9  I
                  -I--------I--------I
              -1.  I   375  I  2069  I  2444
  DISAGREE         I  15.3  I  84.7  I  49.6
                   I  50.8  I  49.4  I
                   I   7.6  I  42.0  I
                  -I--------I--------I
               0.  I     9  I   416  I   425
  NEITHER A OR D   I   2.1  I  97.9  I   8.6
                   I   1.2  I   9.9  I
                   I   0.2  I   8.4  I
                  -I--------I--------I
               1.  I    11  I   398  I   409
  AGREE            I   2.7  I  97.3  I   8.3
                   I   1.5  I   9.5  I
                   I   0.2  I   8.1  I
                  -I--------I--------I
               2.  I    28  I   127  I   155
  STRONGLY AGREE   I  18.1  I  81.9  I   3.1
                   I   3.8  I   3.0  I
                   I   0.6  I   2.6  I
                  -I--------I--------I
           COLUMN      738      4190      4928
            TOTAL     15.0      85.0     100.0
CHI SQUARE =   148.70328 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =    0.17371
CONTINGENCY COEFFICIENT =     0.17115
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ21     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01580 WITH RQ21     DEPENDENT.          =  0.04626 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02356
KENDALL'S TAU B =     0.13827  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =     0.11222  SIGNIFICANCE =  0.0000
GAMMA =    0.35248
SOMERS'S D (ASYMMETRIC) =  0.22034 WITH RQ21     DEPENDENT.          =  0.08677 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.12450
```

```
ETA =  0.13170 WITH RQ21      DEPENDENT.           =  0.17371 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.13169  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     583
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84       PAGE   44

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * *
   RQ22      USING CODES OR ABBREVIATIONS EASY             BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
           COUNT   I
          ROW PCT  INYU      OTHER AR   ROW
          COL PCT  I         L          TOTAL
          TOT PCT  I      1.I      2.I
RQ22      --------I--------I--------I
             -2.   I    15  I   103  I    118
  STRONGLY DISAGRE I  12.7  I  87.3  I    2.5
                   I   2.2  I   2.6  I
                   I   0.3  I   2.2  I
                  -I--------I--------I
             -1.   I    51  I   470  I    521
  DISAGREE         I   9.8  I  90.2  I   11.2
                   I   7.6  I  11.8  I
                   I   1.1  I  10.1  I
                  -I--------I--------I
              0.   I    17  I   717  I    734
  NEITHER A OR D   I   2.3  I  97.7  I   15.8
                   I   2.5  I  18.0  I
                   I   0.4  I  15.4  I
                  -I--------I--------I
              1.   I   203  I  2007  I   2210
  AGREE            I   9.2  I  90.8  I   47.5
                   I  30.3  I  50.4  I
                   I   4.4  I  43.1  I
                  -I--------I--------I
              2.   I   385  I   686  I   1071
  STRONGLY AGREE   I  35.9  I  64.1  I   23.0
                   I  57.4  I  17.2  I
                   I   8.3  I  14.7  I
                  -I--------I--------I
          COLUMN      671      3983      4654
           TOTAL     14.4      85.6     100.0

CHI SQUARE =    547.81787 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.34309
CONTINGENCY COEFFICIENT =    0.32452
LAMBDA (ASYMMETRIC) =  0.07447 WITH RQ22     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.05843
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.04056 WITH RQ22     DEPENDENT.           =  0.12993 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.06182
KENDALL'S TAU B =    -0.25385  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.20851  SIGNIFICANCE =  0.0000
GAMMA =    -0.57507
SOMERS'S D (ASYMMETRIC) = -0.42246 WITH RQ22     DEPENDENT.           = -0.15253 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.22414
```

```
ETA =  0.22722 WITH RQ22      DEPENDENT.             =  0.34309 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.22721  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      857
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                     11/27/84        PAGE   46

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ23       UNDERSTANDING CODES OR ABBREV EASY          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
               COUNT I
             ROW PCT INYU       OTHER AR   ROW
             COL PCT I          L          TOTAL
             TOT PCT I      1.I      2.I
RQ23         --------I--------I--------I
                 -2. I      7 I    122 I    129
  STRONGLY DISAGRE I    5.4 I   94.6 I    2.7
                     I    1.0 I    2.9 I
                     I    0.1 I    2.5 I
                    -I--------I--------I
                 -1. I     48 I    484 I    532
  DISAGREE           I    9.0 I   91.0 I   11.0
                     I    6.8 I   11.7 I
                     I    1.0 I   10.0 I
                    -I--------I--------I
                  0. I     13 I    665 I    678
  NEITHER A OR D     I    1.9 I   98.1 I   14.0
                     I    1.9 I   16.1 I
                     I    0.3 I   13.7 I
                    -I--------I--------I
                  1. I    220 I   2196 I   2416
  AGREE              I    9.1 I   90.9 I   49.9
                     I   31.4 I   53.1 I
                     I    4.5 I   45.4 I
                    -I--------I--------I
                  2. I    413 I    670 I   1083
  STRONGLY AGREE     I   38.1 I   61.9 I   22.4
                     I   58.9 I   16.2 I
                     I    8.5 I   13.8 I
                    -I--------I--------I
              COLUMN      701     4137     4838
               TOTAL     14.5     85.5    100.0

CHI SQUARE =    653.09546 WITH    4 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0
CRAMER'S V =      0.36741
CONTINGENCY COEFFICIENT =      0.34487
LAMBDA (ASYMMETRIC) =   0.07969 WITH RQ23      DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.06180
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.04659 WITH RQ23      DEPENDENT.           =  0.14602 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.07065
KENDALL'S TAU B =    -0.28204  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.22951  SIGNIFICANCE =  0.0000
GAMMA =    -0.63724
SOMERS'S D (ASYMMETRIC) = -0.46309 WITH RQ23      DEPENDENT.           = -0.17177 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.25059
```

```
ETA =  0.25555 WITH RQ23      DEPENDENT.           =  0.36741 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.25555  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      673
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                         11/27/84        PAGE   48

FILE    FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ24      LOCATING CALL NUMBERS DIFFICULT                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
            COUNT  I
          ROW PCT  INYU       OTHER AR    ROW
          COL PCT  I          L          ,TOTAL
          TOT PCT  I       1.I       2.I
RQ24      --------I--------I--------I
             -2.  I   215  I  1130  I   1345
 STRONGLY DISAGRE I  16.0  I  84.0  I   28.6
                  I  31.8  I  28.0  I
                  I   4.6  I  24.0  I
                 -I--------I--------I
             -1.  I   388  I  1883  I   2271
 DISAGREE         I  17.1  I  82.9  I   48.3
                  I  57.3  I  46.7  I
                  I   8.2  I  40.0  I
                 -I--------I--------I
              0.  I    11  I   464  I    475
 NEITHER A OR D   I   2.3  I  97.7  I   10.1
                  I   1.6  I  11.5  I
                  I   0.2  I   9.9  I
                 -I--------I--------I
              1.  I    19  I   415  I    434
 AGREE            I   4.4  I  95.6  I    9.2
                  I   2.8  I  10.3  I
                  I   0.4  I   8.8  I
                 -I--------I--------I
              2.  I    44  I   137  I    181
 STRONGLY AGREE   I  24.3  I  75.7  I    3.8
                  I   6.5  I   3.4  I
                  I   0.9  I   2.9  I
                 -I--------I--------I
           COLUMN     677      4029      4706
            TOTAL    14.4      85.6     100.0

CHI SQUARE =   122.17874 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.16113
CONTINGENCY COEFFICIENT =     0.15908
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ24      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01294 WITH RQ24     DEPENDENT.           =  0.04042 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01961
KENDALL'S TAU B =     0.07078  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =     0.05730  SIGNIFICANCE =  0.0000
GAMMA =     0.18286
SOMERS'S D (ASYMMETRIC) =  0.11632 WITH RQ24      DEPENDENT.           =  0.04307 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.06286
```

```
ETA =  0.06491 WITH RQ24     DEPENDENT.             =  0.16111 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.06490  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      805
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                         11/27/84       PAGE   50

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ25      USING TRUNCATION IS EASY                             BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
            COUNT  I
          ROW PCT  INYU      OTHER AR   ROW
          COL PCT  I         L          TOTAL
          TOT PCT  I      1.I      2.I
RQ25      --------I--------I--------I
               -2.  I    45  I   223  I    268
  STRONGLY DISAGRE  I  16.8  I  83.2  I    6.8
                    I   9.6  I   6.4  I
                    I   1.1  I   5.6  I
                   -I--------I--------I
               -1.  I   133  I   742  I    875
  DISAGREE          I  15.2  I  84.8  I   22.1
                    I  28.5  I  21.3  I
                    I   3.4  I  18.8  I
                   -I--------I--------I
                0.  I    33  I  1035  I   1068
  NEITHER A OR D    I   3.1  I  96.9  I   27.0
                    I   7.1  I  29.7  I
                    I   0.8  I  26.2  I
                   -I--------I--------I
                1.  I    76  I  1135  I   1211
  AGREE             I   6.3  I  93.7  I   30.6
                    I  16.3  I  32.6  I
                    I   1.9  I  28.7  I
                   -I--------I--------I
                2.  I   180  I   350  I    530
  STRONGLY AGREE    I  34.0  I  66.0  I   13.4
                    I  38.5  I  10.0  I
                    I   4.6  I   8.9  I
                   -I--------I--------I
            COLUMN     467      3485      3952
             TOTAL    11.8      88.2     100.0

CHI SQUARE =    379.14746 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.30974
CONTINGENCY COEFFICIENT =      0.29587
LAMBDA (ASYMMETRIC) =  0.03794 WITH RQ25      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =   0.03242
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02875 WITH RQ25      DEPENDENT.          =  0.11884 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.04630
KENDALL'S TAU B =    -0.07080  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.05641  SIGNIFICANCE =  0.0000
GAMMA =    -0.16494
SOMERS'S D (ASYMMETRIC) = -0.13533 WITH RQ25      DEPENDENT.          = -0.03704 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.05816
```

```
ETA =  0.07692 WITH RQ25      DEPENDENT.            =  0.30976 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.07692  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     1559
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                       11/27/84       PAGE   52

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ26      USING BOOLEAN OPERATORS DIFF                     BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
           COUNT  I
         ROW PCT  INYU       OTHER AR   ROW
         COL PCT  I          L          TOTAL
         TOT PCT  I       1.I       2.I
RQ26     --------I---------I---------I
             -2.  I    77   I   326   I   403
  STRONGLY DISAGRE I  19.1   I  80.9   I  18.0
                  I  18.6   I  17.8   I
                  I   3.4   I  14.5   I
                 -I---------I---------I
             -1.  I   201   I   566   I   767
  DISAGREE        I  26.2   I  73.8   I  34.2
                  I  48.7   I  30.9   I
                  I   9.0   I  25.2   I
                 -I---------I---------I
              0.  I    35   I   535   I   570
  NEITHER A OR D  I   6.1   I  93.9   I  25.4
                  I   8.5   I  29.3   I
                  I   1.6   I  23.9   I
                 -I---------I---------I
              1.  I    36   I   284   I   320
  AGREE           I  11.3   I  88.8   I  14.3
                  I   8.7   I  15.5   I
                  I   1.6   I  12.7   I
                 -I---------I---------I
              2.  I    64   I   118   I   182
  STRONGLY AGREE  I  35.2   I  64.8   I   8.1
                  I  15.5   I   6.5   I
                  I   2.9   I   5.3   I
                 -I---------I---------I
          COLUMN      413       1829      2242
           TOTAL     18.4       81.6     100.0

CHI SQUARE =   133.16660 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.24371
CONTINGENCY COEFFICIENT =     0.23678
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ26     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02109 WITH RQ26     DEPENDENT.           =  0.06645 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03201
KENDALL'S TAU B =     0.05395  SIGNIFICANCE =  0.0024
KENDALL'S TAU C =     0.05154  SIGNIFICANCE =  0.0024
GAMMA =     0.11166
SOMERS'S D (ASYMMETRIC) =  0.08574 WITH RQ26     DEPENDENT.           =  0.03395 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.04864
```

```
ETA =  0.02676 WITH RQ26      DEPENDENT.          =  0.24371 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.02676  SIGNIFICANCE =  0.1026

NUMBER OF MISSING OBSERVATIONS =    3269
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                  11/27/84        PAGE   54

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ27      REM ING EXACT SEQ OF COMM EASY                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
          COUNT   I
          ROW PCT IINYU        OTHER AR   ROW
          COL PCT I            L          TOTAL
          TOT PCT I       1.I       2.I
RQ27      --------I---------I---------I
             -2.  I    13   I    95   I   108
  STRONGLY DISAGRE I  12.0   I  88.0   I   2.4
                  I   2.1   I   2.4   I
                  I   0.3   I   2.1   I
                 -I---------I---------I
             -1.  I    77   I   643   I   720
  DISAGREE        I  10.7   I  89.3   I  15.8
                  I  12.3   I  16.4   I
                  I   1.7   I  14.1   I
                 -I---------I---------I
              0.  I    23   I   815   I   838
  NEITHER A OR D  I   2.7   I  97.3   I  18.4
                  I   3.7   I  20.7   I
                  I   0.5   I  17.9   I
                 -I---------I---------I
              1.  I   140   I  1903   I  2043
  AGREE           I   6.9   I  93.1   I  44.9
                  I  22.4   I  48.4   I
                  I   3.1   I  41.8   I
                 -I---------I---------I
              2.  I   372   I   473   I   845
  STRONGLY AGREE  I  44.0   I  56.0   I  18.6
                  I  59.5   I  12.0   I
                  I   8.2   I  10.4   I
                 -I---------I---------I
          COLUMN      625       3929      4554
           TOTAL     13.7       86.3     100.0

CHI SQUARE =   827.79395 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.42635
CONTINGENCY COEFFICIENT =     0.39219
LAMBDA (ASYMMETRIC) =  0.09239 WITH RQ27      DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.07398
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.05494 WITH RQ27      DEPENDENT.           =  0.18739 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.08497
KENDALL'S TAU B =    -0.26222  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.21427  SIGNIFICANCE =  0.0000
GAMMA =   -0.57153
SOMERS'S D (ASYMMETRIC) = -0.45240 WITH RQ27      DEPENDENT.           = -0.15199 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.22753
```

```
ETA =  0.24539 WITH RQ27      DEPENDENT.            =  0.42635 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.24539  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      957
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                      11/27/84        PAGE   56

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
   RQ28      UNDERSTANDING INITIAL SCREEN INSTR DIFF       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                         LOCATION
                COUNT  I
                ROW PCT INYU      OTHER AR   ROW
                COL PCT I          L         TOTAL
                TOT PCT I       1.I       2.I
RQ28            --------I---------I---------I
                   -2.  I   228   I   528   I   756
  STRONGLY DISAGRE      I  30.2   I  69.8   I  32.8
                        I  32.6   I  32.8   I
                        I   9.9   I  22.9   I
                       -I---------I---------I
                   -1.  I   412   I   737   I  1149
  DISAGREE              I  35.9   I  64.1   I  49.8
                        I  58.9   I  45.8   I
                        I  17.9   I  31.9   I
                       -I---------I---------I
                    0.  I     9   I   166   I   175
  NEITHER A OR D        I   5.1   I  94.9   I   7.6
                        I   1.3   I  10.3   I
                        I   0.4   I   7.2   I
                       -I---------I---------I
                    1.  I    12   I   127   I   139
  AGREE                 I   8.6   I  91.4   I   6.0
                        I   1.7   I   7.9   I
                        I   0.5   I   5.5   I
                       -I---------I---------I
                    2.  I    39   I    50   I    89
  STRONGLY AGREE        I  43.8   I  56.2   I   3.9
                        I   5.6   I   3.1   !
                        I   1.7   I   2.2   I
                       -I---------I---------I
               COLUMN       700      1608      2308
                TOTAL      30.3      69.7     100.0

CHI SQUARE =    107.79388 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.21611
CONTINGENCY COEFFICIENT =      0.21124
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ28      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02386 WITH RQ28      DEPENDENT.           =  0.04678 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03160
KENDALL'S TAU B =     0.06013   SIGNIFICANCE =  0.0011
KENDALL'S TAU C =     0.06225   SIGNIFICANCE =  0.0011
GAMMA =     0.11900
SOMERS'S D (ASYMMETRIC) =  0.07364 WITH RQ28      DEPENDENT.          =  0.04909 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.05891
```

```
ETA =  0.06351 WITH RQ28     DEPENDENT.          =  0.21611 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.06351  SIGNIFICANCE =  0.0011

NUMBER OF MISSING OBSERVATIONS =     3203
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84       PAGE   58

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
   RQ29      UNDERSTANDING SINGLE BOOK DISPLAY EASY       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
            COUNT   I
            ROW PCT INYU      OTHER AR   ROW
            COL PCT I         L          TOTAL
            TOT PCT I      1.I      2.I
RQ29        --------I--------I--------I
              -2.   I    15  I   65   I    80
  STRONGLY DISAGRE  I  18.8  I  81.3  I   1.7
                    I   2.3  I   1.6  I
                    I   0.3  I   1.4  I
                   -I--------I--------I
              -1.   I    40  I  296   I   336
  DISAGREE          I  11.9  I  88.1  I   7.2
                    I   6.0  I   7.4  I
                    I   0.9  I   6.3  I
                   -I--------I--------I
               0.   I    15  I  437   I   452
  NEITHER A OR D    I   3.3  I  96.7  I   9.6
                    I   2.3  I  10.9  I
                    I   0.3  I   9.3  I
                   -I--------I--------I
               1.   I   195  I  2340  I  2535
  AGREE             I   7.7  I  92.3  I  54.1
                    I  29.4  I  58.2  I
                    I   4.2  I  49.9  I
                   -I--------I--------I
               2.   I   399  I  884   I  1283
  STRONGLY AGREE    I  31.1  I  68.9  I  27.4
                    I  60.1  I  22.0  I
                    I   8.5  I  18.9  I
                   -I--------I--------I
           COLUMN       664     4022      4686
            TOTAL      14.2     85.8     100.0
CHI SQUARE =   436.35181 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.30515
CONTINGENCY COEFFICIENT =     0.29187
LAMBDA (ASYMMETRIC) =  0.09484 WITH RQ29     DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.07247
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.03684 WITH RQ29     DEPENDENT.           =  0.10574 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.05465
KENDALL'S TAU B =   -0.23243  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =   -0.18018  SIGNIFICANCE =  0.0000
GAMMA =   -0.53693
SOMERS'S D (ASYMMETRIC) = -0.37038 WITH RQ29     DEPENDENT.          = -0.14586 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.20930
```

```
ETA =  0.18386 WITH RQ29      DEPENDENT.           =  0.30515 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.18385  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      825
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84        PAGE   60

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ30      UNDERSTANDING MULTIPLE BOOK DISPLAY DIFF      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                  LOCATION
            COUNT  I
          ROW PCT  INYU      OTHER AR   ROW
          COL PCT  I         L          TOTAL
          TOT PCT  I      1.I      2.I
RQ30      --------I--------I--------I
               -2.  I    141  I    791  I    932
  STRONGLY DISAGRE  I   15.1  I   84.9  I   20.2
                    I   22.3  I   19.8  I
                    I    3.1  I   17.1  I
                   -I--------I--------I
               -1.  I    395  I   2166  I   2561
  DISAGREE          I   15.4  I   84.6  I   55.5
                    I   62.6  I   54.3  I
                    I    8.6  I   46.9  I
                   -I--------I--------I
                0.  I     16  I    604  I    620
  NEITHER A OR D    I    2.6  I   97.4  I   13.4
                    I    2.5  I   15.1  I
                    I    0.3  I   13.1  I
                   -I--------I--------I
                1.  I     18  I    345  I    363
  AGREE             I    5.0  I   95.0  I    7.9
                    I    2.9  I    8.7  I
                    I    0.4  I    7.5  I
                   -I--------I--------I
                2.  I     61  I     81  I    142
  STRONGLY AGREE    I   43.0  I   57.0  I    3.1
                    I    9.7  I    2.0  I
                    I    1.3  I    1.8  I
                   -I--------I--------I
            COLUMN       631       3987      4618
             TOTAL      13.7       86.3     100.0

CHI SQUARE =    199.58934 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.20789
CONTINGENCY COEFFICIENT =     0.20354
LAMBDA (ASYMMETRIC) =  0.0        WITH RQ30      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01793 WITH RQ30      DEPENDENT.          =  0.05514 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02706
KENDALL'S TAU B =     0.04967  SIGNIFICANCE =  0.0001
KENDALL'S TAU C =     0.03820  SIGNIFICANCE =  0.0001
GAMMA =     0.13328
SOMERS'S D (ASYMMETRIC) =  0.08094 WITH RQ30      DEPENDENT.          =  0.03048 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.04428
```

```
ETA =  0.01386 WITH RQ30     DEPENDENT.            =  0.20791 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.01385  SIGNIFICANCE =  0.1734

NUMBER OF MISSING OBSERVATIONS =      893
```

```
FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ31       INTERRUPTING-STOPPING THE DISPLAY EASY        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                   LOCATION
          COUNT   I
        ROW PCT   INYU       OTHER AR   ROW
        COL PCT   I          L          TOTAL
        TOT PCT   I      1.I      2.I
RQ31     --------I--------I--------I
           -2.   I    23  I   232  I    255
  STRONGLY DISAGRE I   9.0  I  91.0  I    6.1
                 I   3.9  I   6.4  I
                 I   0.5  I   5.5  I
                -I--------I--------I
           -1.   I   117  I   680  I    797
  DISAGREE       I  14.7  I  85.3  I   18.9
                 I  19.9  I  18.8  I
                 I   2.8  I  16.2  I
                -I--------I--------I
            0.   I    11  I   697  I    708
  NEITHER A OR D I   1.6  I  98.4  I   16.8
                 I   1.9  I  19.3  I
                 I   0.3  I  16.6  I
                -I--------I--------I
            1.   I   146  I  1502  I   1648
  AGREE          I   8.9  I  91.1  I   39.2
                 I  24.8  I  41.5  I
                 I   3.5  I  35.7  I
                -I--------I--------I
            2.   I   292  I   507  I    799
  STRONGLY AGREE I  36.5  I  63.5  I   19.0
                 I  49.6  I  14.0  I
                 I   6.9  I  12.1  I
                -I--------I--------I
         COLUMN      589      3618      4207
          TOTAL     14.0      86.0     100.0

CHI SQUARE =   470.13696 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.33429
CONTINGENCY COEFFICIENT =     0.31705
LAMBDA (ASYMMETRIC) =  0.05705 WITH RQ31     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.04638
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.03556 WITH RQ31     DEPENDENT.          =  0.12887 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.05574
KENDALL'S TAU B =    -0.18436  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.15592  SIGNIFICANCE =  0.0000
GAMMA =    -0.41284
SOMERS'S D (ASYMMETRIC) = -0.32374 WITH RQ31     DEPENDENT.          = -0.10498 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.15855
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```
ETA =  0.17291 WITH RQ21     DEPENDENT.              =  0.33430 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.17291  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     1304
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE   64

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * * *
   RQ32       TYPING IN EXACT SPELLING IS DIFF              BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE   1 OF   1

                        LOCATION
              COUNT   I
            ROW PCT   INYU       OTHER AR    ROW
            COL PCT   I          L           TOTAL
            TOT PCT   I       1.I       2.I
RQ32        --------I---------I---------I
                -2.   I   168   I   792   I    960
  STRONGLY DISAGRE    I  17.5   I  82.5   I   20.1
                      I  25.0   I  19.3   I
                      I   3.5   I  16.6   I
                     -I---------I---------I
                -1.   I   365   I  1796   I   2161
  DISAGREE            I  16.9   I  83.1   I   45.3
                      I  54.3   I  43.8   I
                      I   7.7   I  37.7   I
                     -I---------I---------I
                 0.   I    20   I   636   I    656
  NEITHER A OR D      I   3.0   I  97.0   I   13.8
                      I   3.0   I  15.5   I
                      I   0.4   I  13.3   I
                     -I---------I---------I
                 1.   I    32   I   708   I    740
  AGREE               I   4.3   I  95.7   I   15.5
                      I   4.8   I  17.3   I
                      I   0.7   I  14.8   I
                     -I---------I---------I
                 2.   I    87   I   164   I    251
  STRONGLY AGREE      I  34.7   I  65.3   I    5.3
                      I  12.9   I   4.0   I
                      I   1.8   I   3.4   I
                     -I---------I---------I
             COLUMN       672      4096       4768
              TOTAL      14.1      85.9      100.0

CHI SQUARE =   235.28448 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =    0.22214
CONTINGENCY COEFFICIENT =     0.21685
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ32      DEPENDENT.            =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01936 WITH RQ32      DEPENDENT.           =  0.06659 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03000
KENDALL'S TAU B =     0.07267  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =     0.06019  SIGNIFICANCE =  0.0000
GAMMA =     0.17870
SOMERS'S D (ASYMMETRIC) =  0.12428 WITH RQ32      DEPENDENT.           =  0.04249 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.06333
```

```
ETA =  0.05074 WITH RQ32     DEPENDENT.          =  0.22215 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.05075  SIGNIFICANCE =  0.0002

NUMBER OF MISSING OBSERVATIONS =      743
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                          11/27/84        PAGE   66

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
      RQ33      KNOWING WHAT IS INCLUDED EASY                     BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                       LOCATION
                COUNT  I
              ROW PCT  INYU       OTHER AR    ROW
              COL PCT  I          L           TOTAL
              TOT PCT  I      1.I      2.I
RQ33          --------I--------I--------I
                  -2.  I    62   I   284   I    346
  STRONGLY DISAGRE I  17.9   I  82.1   I    7.8
                       I  11.2   I   7.3   I
                       I   1.4   I   6.4   I
                      -I--------I--------I
                  -1.  I   230   I  1144   I   1374
  DISAGREE             I  16.7   I  83.3   I   31.0
                       I  41.5   I  29.5   I
                       I   5.2   I  25.8   I
                      -I--------I--------I
                   0.  I    39   I  1087   I   1126
  NEITHER A OR D       I   3.5   I  96.5   I   25.4
                       I   7.0   I  28.0   I
                       I   0.9   I  24.5   I
                      -I--------I--------I
                   1.  I    60   I  1096   I   1156
  AGREE                I   5.2   I  94.8   I   26.1
                       I  10.8   I  28.3   I
                       I   1.4   I  24.7   I
                      -I--------I--------I
                   2.  I   163   I   265   I    428
  STRONGLY AGREE       I  38.1   I  61.9   I    9.7
                       I  29.4   I   6.8   I
                       I   3.7   I   6.0   I
                      -I--------I--------I
               COLUMN      554       3876       4430
                TOTAL     12.5       87.5      100.0

CHI SQUARE =    428.37231 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.31096
CONTINGENCY COEFFICIENT =      0.29694
LAMBDA (ASYMMETRIC) =  0.0        WITH RQ33      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02983 WITH RQ33      DEPENDENT.           =  0.11766 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.04759
KENDALL'S TAU B =    -0.00145  SIGNIFICANCE =  0.4577
KENDALL'S TAU C =    -0.00118  SIGNIFICANCE =  0.4577
GAMMA =    -0.00337
SOMERS'S D (ASYMMETRIC) = -0.00269 WITH RQ33      DEPENDENT.          = -0.00078 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.00121
```

```
ETA =  0.02348 WITH RQ33      DEPENDENT.           =  0.31097 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.02347  SIGNIFICANCE =  0.0592

NUMBER OF MISSING OBSERVATIONS =     1081
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   68

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ34      ORDER OF DISPLAY EASY TO UNDERST              BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                     LOCATION
             COUNT  I
           ROW PCT  INYU      OTHER AR   ROW
           COL PCT  I         L          TOTAL
           TOT PCT  I      1.I      2.I
RQ34       --------I--------I--------I
               -2.  I     5  I   108  I   113
  STRONGLY DISAGRE  I   4.4  I  95.6  I   2.4
                    I   0.8  I   2.6  I
                    I   0.1  I   2.3  I
                   -I--------I--------I
               -1.  I    51  I   401  I   452
  DISAGREE          I  11.3  I  88.7  I   9.5
                    I   7.7  I   9.8  I
                    I   1.1  I   8.4  I
                   -I--------I--------I
                0.  I    17  I   723  I   740
  NEITHER A OR D    I   2.3  I  97.7  I  15.6
                    I   2.6  I  17.7  I
                    I   0.4  I  15.2  I
                   -I--------I--------I
                1.  I   161  I  2308  I  2469
  AGREE             I   6.5  I  93.5  I  52.0
                    I  24.4  I  56.4  I
                    I   3.4  I  48.6  I
                   -I--------I--------I
                2.  I   427  I   550  I   977
  STRONGLY AGREE    I  43.7  I  56.3  I  20.6
                    I  64.6  I  13.4  I
                    I   9.0  I  11.6  I
                   -I--------I--------I
            COLUMN      661      4090     4751
             TOTAL     13.9      86.1    100.0

CHI SQUARE =    931.11963 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.44270
CONTINGENCY COEFFICIENT =      0.40481
LAMBDA (ASYMMETRIC) =  0.11656 WITH RQ34      DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.09038
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.06494 WITH RQ34      DEPENDENT.          =  0.20408 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.09852
KENDALL'S TAU B =    -0.30997  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.24533  SIGNIFICANCE =  0.0000
GAMMA =    -0.67082
SOMERS'S D (ASYMMETRIC) = -0.51208 WITH RQ34      DEPENDENT.          = -0.18763 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.27463
```

```
ETA =  0.27586 WITH RQ34     DEPENDENT.             =  0.44270 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.27586  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      760
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84        PAGE   70

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
   RQ35      DISPLAYED MESSAGES TOO LONG                           BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                  LOCATION
         COUNT   I
         ROW PCT IINYU      OTHER AR   ROW
         COL PCT I          L          TOTAL
         TOT PCT I       1.I       2.I
RQ35     --------I---------I---------I
             -2. I   101   I   599   I   700
  STRONGLY DISAGRE I  14.4  I  85.6  I  15.2
                 I  16.6   I  14.9   I
                 I   2.2   I  13.0   I
                -I---------I---------I
             -1. I   402   I  2075   I  2477
  DISAGREE       I  16.2   I  83.8   I  53.6
                 I  65.9   I  51.8   I
                 I   8.7   I  44.9   I
                -I---------I---------I
              0. I    26   I   927   I   953
  NEITHER A OR D I   2.7   I  97.3   I  20.6
                 I   4.3   I  23.1   I
                 I   0.6   I  20.1   I
                -I---------I---------I
              1. I    28   I   314   I   342
  AGREE          I   8.2   I  91.8   I   7.4
                 I   4.6   I   7.8   I
                 I   0.6   I   6.8   I
                -I---------I---------I
              2. I    53   I    93   I   146
  STRONGLY AGREE I  36.3   I  63.7   I   3.2
                 I   8.7   I   2.3   I
                 I   1.1   I   2.0   I
                -I---------I---------I
          COLUMN     610       4008      4618
           TOTAL    13.2       86.8     100.0

CHI SQUARE =    187.36446 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.20143
CONTINGENCY COEFFICIENT =     0.19746
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ35      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01796 WITH RQ35      DEPENDENT.          =  0.05741 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02736
KENDALL'S TAU B =     0.06734  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =     0.05160  SIGNIFICANCE =  0.0000
GAMMA =    0.18191
SOMERS'S D (ASYMMETRIC) =  0.11253 WITH RQ35      DEPENDENT.          =  0.04030 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.05934
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```
ETA =  0.02888 WITH RQ35     DEPENDENT.            =  0.20142 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.02887  SIGNIFICANCE =  0.0249

NUMBER OF MISSING OBSERVATIONS =      893
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                         11/27/84        PAGE   72

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ36      SEL FROM LIST OF CHOICES TOO MUCH TIME        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                        LOCATION
                COUNT  I
              ROW PCT  INYU      OTHER AR    ROW
              COL PCT  I         L           TOTAL
              TOT PCT  I      1.I      2.I
RQ36          --------I--------I--------I
                  -2.  I    68  I   414  I    482
  STRONGLY DISAGRE     I  14.1  I  85.9  I   10.6
                       I  11.1  I  10.6  I
                       I   1.5  I   9.1  I
                      -I--------I--------I
                  -1.  I   363  I  1860  I   2223
  DISAGREE             I  16.3  I  83.7  I   49.1
                       I  59.3  I  47.5  I
                       I   8.0  I  41.1  I
                      -I--------I--------I
                   0.  I    20  I   912  I    932
  NEITHER A OR D       I   2.1  I  97.9  I   20.6
                       I   3.3  I  23.3  I
                       I   0.4  I  20.1  I
                      -I--------I--------I
                   1.  I    44  I   603  I    647
  AGREE                I   6.8  I  93.2  I   14.3
                       I   7.2  I  15.4  I
                       I   1.0  I  13.3  I
                      -I--------I--------I
                   2.  I   117  I   129  I    246
  STRONGLY AGREE       I  47.6  I  52.4  I    5.4
                       I  19.1  I   3.3  I
                       I   2.6  I   2.8  I
                      -I--------I--------I
               COLUMN      612      3918     4530
                TOTAL     13.5      86.5    100.0

CHI SQUARE =    387.30518 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.29240
CONTINGENCY COEFFICIENT =      0.28065
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ36      DEPENDENT.           =  0.0       WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02955 WITH RQ36      DEPENDENT.           =  0.10067 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.04568
KENDALL'S TAU B =      0.01858  SIGNIFICANCE =  0.0874
KENDALL'S TAU C =      0.01483  SIGNIFICANCE =  0.0874
GAMMA =      0.04656
SOMERS'S D (ASYMMETRIC) =  0.03174 WITH RQ36      DEPENDENT.           =  0.01087 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.01620
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ETA =  0.03474 WITH RQ36      DEPENDENT.          =  0.29240 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.03473  SIGNIFICANCE =  0.0097

NUMBER OF MISSING OBSERVATIONS =     981
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   74

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
    RQ37       ENTERING COMMANDS DURING SEARCH DIFF          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
              COUNT  I
            ROW PCT  INYU      OTHER AR   ROW
            COL PCT  I         L          TOTAL
            TOT PCT  I      1.I      2.I
RQ37        --------I--------I--------I
                -2.  I    76  I   397  I   473
  STRONGLY DISAGRE   I  16.1  I  83.9  I  10.8
                     I  12.4  I  10.6  I
                     I   1.7  I   9.1  I
                    -I--------I--------I
                -1.  I   312  I  1554  I  1866
  DISAGREE           I  16.7  I  83.3  I  42.7
                     I  51.1  I  41.3  I
                     I   7.1  I  35.5  I
                    -I--------I--------I
                 0.  I    18  I   788  I   806
  NEITHER A OR D     I   2.2  I  97.8  I  18.4
                     I   2.9  I  21.0  I
                     I   0.4  I  18.0  I
                    -I--------I--------I
                 1.  I    53  I   826  I   879
  AGREE              I   6.0  I  94.0  I  20.1
                     I   8.7  I  22.0  I
                     I   1.2  I  18.9  I
                    -I--------I--------I
                 2.  I   152  I   196  I   348
  STRONGLY AGREE     I  43.7  I  56.3  I   8.0
                     I  24.9  I   5.2  I
                     I   3.5  I   4.5  I
                    -I--------I--------I
             COLUMN       611      3761     4372
              TOTAL      14.0      86.0    100.0

CHI SQUARE =   407.39575 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.30526
CONTINGENCY COEFFICIENT =     0.29196
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ37      DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.03063 WITH RQ37      DEPENDENT.           =  0.10903 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =   0.04783
KENDALL'S TAU B =     0.00079  SIGNIFICANCE =  0.4773
KENDALL'S TAU C =     0.00066  SIGNIFICANCE =  0.4773
GAMMA =     0.00185
SOMERS'S D (ASYMMETRIC) =  0.00137 WITH RQ37      DEPENDENT.          =  0.00045 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00068
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ETA =  0.03812 WITH RQ37      DEPENDENT.              =  0.30527 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.03813  SIGNIFICANCE =  0.0058

NUMBER OF MISSING OBSERVATIONS =     1139
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84       PAGE   76

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ38      RATE OF RESPONSE TOO SLOW                          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
             COUNT  I
           ROW PCT  INYU       OTHER AR   ROW
           COL PCT  I          L          TOTAL
           TOT PCT  I       1.I       2.I
RQ38       --------I--------I--------I
               -2.  I    51  I   606  I   657
  STRONGLY DISAGRE  I   7.8  I  92.2  I  13.7
                    I   7.6  I  14.7  I
                    I   1.1  I  12.7  I
                   -I--------I--------I
               -1.  I   252  I  1840  I  2092
  DISAGREE          I  12.0  I  88.0  I  43.7
                    I  37.5  I  44.7  I
                    I   5.3  I  38.4  I
                   -I--------I--------I
                0.  I    20  I   686  I   706
  NEITHER A OR D    I   2.8  I  97.2  I  14.8
                    I   3.0  I  16.7  I
                    I   0.4  I  14.3  I
                   -I--------I--------I
                1.  I   154  I   689  I   843
  AGREE             I  18.3  I  81.7  I  17.6
                    I  22.9  I  16.7  I
                    I   3.2  I  14.4  I
                   -I--------I--------I
                2.  I   195  I   293  I   488
  STRONGLY AGREE    I  40.0  I  60.0  I  10.2
                    I  29.0  I   7.1  I
                    I   4.1  I   6.1  I
                   -I--------I--------I
            COLUMN      672      4114     4786
             TOTAL     14.0      86.0    100.0

CHI SQUARE =    385.92285 WITH    4 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0
CRAMER'S V =     0.28396
CONTINGENCY COEFFICIENT =     0.27316
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ38     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02480 WITH RQ38     DEPENDENT.           =  0.08897 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03879
KENDALL'S TAU B =    -0.15947  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.13360  SIGNIFICANCE =  0.0000
GAMMA =    -0.36552
SOMERS'S D (ASYMMETRIC) = -0.27673 WITH RQ38     DEPENDENT.           = -0.09190 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.13797
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ETA =  0.20547 WITH RQ38      DEPENDENT.           =  0.28398 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.20547  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      725
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                              11/27/84       PAGE   78

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ39     AVAIL OF SIGNS AND BROCHURES ADEQUATE          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
               COUNT  I
              ROW PCT INYU       OTHER AR    ROW
              COL PCT I          L           TOTAL
              TOT PCT I       1.I       2.I
RQ39          --------I---------I---------I
                 -2.  I    24   I   219   I    243
  STRONGLY DISAGRE    I   9.9   I  90.1   I    5.4
                      I   4.4   I   5.5   I
                      I   0.5   I   4.9   I
                     -I---------I---------I
                 -1.  I   137   I   606   I    743
  DISAGREE            I  18.4   I  81.6   I   16.5
                      I  25.1   I  15.3   I
                      I   3.0   I  13.5   I
                     -I---------I---------I
                  0.  I    34   I   593   I    627
  NEITHER A OR D      I   5.4   I  94.6   I   13.9
                      I   6.2   I  15.0   I
                      I   0.8   I  13.2   I
                     -I---------I---------I
                  1.  I    74   I  2082   I   2156
  AGREE               I   3.4   I  96.6   I   47.9
                      I  13.6   I  52.7   I
                      I   1.6   I  46.3   I
                     -I---------I---------I
                  2.  I   277   I   453   I    730
  STRONGLY AGREE      I  37.9   I  62.1   I   16.2
                      I  50.7   I  11.5   I
                      I   6.2   I  10.1   I
                     -I---------I---------I
              COLUMN       546      3953       4499
               TOTAL      12.1      87.9      100.0
CHI SQUARE =    664.53320 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.38433
CONTINGENCY COEFFICIENT =       0.35874
LAMBDA (ASYMMETRIC) =   0.08664 WITH RQ39     DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.07027
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.04688 WITH RQ39     DEPENDENT.           =  0.17470 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.07393
KENDALL'S TAU B =    -0.12700  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.09775  SIGNIFICANCE =  0.0000
GAMMA =    -0.27939
SOMERS'S D (ASYMMETRIC) = -0.22917 WITH RQ39     DEPENDENT.          = -0.07038 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.10769
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ETA =  0.09418 WITH RQ39     DEPENDENT.          =  0.38432 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.09417  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     1012
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   80

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ40      SIGNS AND BROCHURES NOT VERY USEFUL          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
             COUNT  I
           ROW PCT  INYU       OTHER AR   ROW
           COL PCT  I          L          TOTAL
           TOT PCT  I       1.I       2.I
RQ40       --------I--------I--------I
               -2.  I    49   I   791   I   840
  STRONGLY DISAGRE  I   5.8   I  94.2   I  19.3
                    I  10.4   I  20.4   I
                    I   1.1   I  18.2   I
                   -I---------I---------I
               -1.  I   280   I  1892   I  2172
  DISAGREE          I  12.9   I  87.1   I  49.9
                    I  59.2   I  48.8   I
                    I   6.4   I  43.5   I
                   -I---------I---------I
                0.  I    33   I   710   I   743
  NEITHER A OR D    I   4.4   I  95.6   I  17.1
                    I   7.0   I  18.3   I
                    I   0.8   I  16.3   I
                   -I---------I---------I
                1.  I    20   I   349   I   369
  AGREE             I   5.4   I  94.6   I   8.5
                    I   4.2   I   9.0   I
                    I   0.5   I   8.0   I
                   -I---------I---------I
                2.  I    91   I   134   I   225
  STRONGLY AGREE    I  40.4   I  59.6   I   5.2
                    I  19.2   I   3.5   I
                    I   2.1   I   3.1   I
                   -I---------I---------I
            COLUMN      473      3876      4349
             TOTAL     10.9      89.1     100.0

CHI SQUARE =   277.14795 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.25244
CONTINGENCY COEFFICIENT =     0.24476
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ40     DEPENDENT.            =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01896 WITH RQ40     DEPENDENT.           =  0.07326 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03013
KENDALL'S TAU B =   -0.06276  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =   -0.04538  SIGNIFICANCE =  0.0000
GAMMA =   -0.17556
SOMERS'S D (ASYMMETRIC) = -0.11704 WITH RQ40     DEPENDENT.          = -0.03365 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.05228
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ETA =  0.10948 WITH RQ40     DEPENDENT.          =  0.25245 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.10948  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     1162
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                11/27/84        PAGE   82

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
   RQ41      LIB STAFF ADVICE NOT HELPFUL                          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                          LOCATION
                  COUNT  I
                 ROW PCT IINYU       OTHER AR   ROW
                 COL PCT I           L          TOTAL
                 TOT PCT I       1.I       2.I
RQ41            --------I--------I--------I
                     -2. I    76  I   720  I    796
  STRONGLY DISAGRE I   9.5  I  90.5  !   22.5
                         I  21.8  I  22.5  I
                         I   2.1  I  20.3  I
                        -I--------I--------I
                     -1. I   176  I  1290  I   1466
  DISAGREE               I  12.0  I  88.0  I   41.4
                         I  50.6  I  40.4  I
                         I   5.0  I  36.4  I
                        -I--------I--------I
                      0. I    28  I   785  I    813
  NEITHER A OR D         I   3.4  I  96.6  I   23.0
                         I   8.0  I  24.6  I
                         I   0.8  I  22.2  I
                        -I--------I--------I
                      1. I    28  I   276  I    304
  AGREE                  I   9.2  I  90.8  I    8.6
                         I   8.0  I   8.6  I
                         I   0.8  I   7.8  I
                        -I--------I--------I
                      2. I    40  I   122  I    162
  STRONGLY AGREE         I  24.7  I  75.3  I    4.6
                         I  11.5  I   3.8  I
                         I   1.1  I   3.4  I
                        -I--------I--------I
                 COLUMN     348      3193      3541
                  TOTAL     9.8      90.2     100.0

CHI SQUARE =     85.81908 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.15568
CONTINGENCY COEFFICIENT =     0.15383
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ41     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00873 WITH RQ41     DEPENDENT.          =  0.03780 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01419
KENDALL'S TAU B =     0.01192  SIGNIFICANCE =  0.2199
KENDALL'S TAU C =     0.00849  SIGNIFICANCE =  0.2199
GAMMA =     0.03349
SOMERS'S D (ASYMMETRIC) =  0.02395 WITH RQ41     DEPENDENT.          =  0.00593 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00951
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ETA =  0.01695 WITH RQ41      DEPENDENT.          =  0.15570 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.01693  SIGNIFICANCE =  0.1569

NUMBER OF MISSING OBSERVATIONS =     1970
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                              11/27/84        PAGE   84

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
     RQ42      HARD TO FIND FREE TERMINAL                          BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                      LOCATION
             COUNT   I
           ROW PCT   INYU       OTHER AR   ROW
           COL PCT   I          L          TOTAL
           TOT PCT   I       1.I       2.I
RQ42       --------I--------I--------I
               -2.   I    54  I   557  I   611
  STRONGLY DISAGRE   I   8.8  I  91.2  I  13.3
                     I   9.1  I  13.9  I
                     I   1.2  I  12.1  I
                    -I--------I--------I
               -1.   I   258  I  1670  I  1928
  DISAGREE           I  13.4  I  86.6  I  42.0
                     I  43.5  I  41.8  I
                     I   5.6  I  36.4  I
                    -I--------I--------I
                0.   I    20  I   701  I   721
  NEITHER A OR D     I   2.8  I  97.2  I  15.7
                     I   3.4  I  17.5  I
                     I   0.4  I  15.3  I
                    -I--------I--------I
                1.   I    90  I   725  I   815
  AGREE              I  11.0  I  89.0  I  17.8
                     I  15.2  I  18.1  I
                     I   2.0  I  15.8  I
                    -I--------I--------I
                2.   I   171  I   344  I   515
  STRONGLY AGREE     I  33.2  I  66.8  I  11.2
                     I  28.8  I   8.6  I
                     I   3.7  I   7.5  I
                    -I--------I--------I
            COLUMN       593      3997     4590
             TOTAL      12.9      87.1    100.0

CHI SQUARE =    266.28198 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.24086
CONTINGENCY COEFFICIENT =      0.23416
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ42     DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01819 WITH RQ42     DEPENDENT.          =  0.06974 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02885
KENDALL'S TAU B =    -0.08897  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.07246  SIGNIFICANCE =  0.0000
GAMMA =    -0.21549
SOMERS'S D (ASYMMETRIC) = -0.16103 WITH RQ42      DEPENDENT.          = -0.04916 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.07532
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ETA =  0.12450 WITH RQ42      DEPENDENT.          =  0.24087 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.12450  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      921
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   86

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ43A     KEYBOARD CONFUSING                                 BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
            COUNT   I
           ROW PCT  INYU       OTHER AR   ROW
           COL PCT  I          L          TOTAL
           TOT PCT  I      1.I      2.I
RQ43A      --------I--------I--------I
               1.   I    35  I   391  I    426
  YES               I   8.2  I  91.8  I    8.6
                    I   4.5  I   9.4  I
                    I   0.7  I   7.9  I
                   -I--------I--------I
               2.   I   740  I  3765  I   4505
  NO                I  16.4  I  83.6  I   91.4
                    I  95.5  I  90.6  I
                    I  15.0  I  76.4  I
                   -I--------I--------I
           COLUMN       775      4156      4931
            TOTAL      15.7      84.3     100.0

CORRECTED CHI SQUARE =     19.18994 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
      RAW CHI SQUARE =     19.80487 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
PHI =     0.06338
CONTINGENCY COEFFICIENT =     0.06325
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43A    DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00791 WITH RQ43A    DEPENDENT.           =  0.00535 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00639
KENDALL'S TAU B =   -0.06338  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =   -0.02592  SIGNIFICANCE =  0.0000
GAMMA =   -0.37416
SOMERS'S D (ASYMMETRIC) = -0.04892 WITH RQ43A    DEPENDENT.           = -0.08210 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.06131
ETA =  0.06344 WITH RQ43A    DEPENDENT.           =  0.06339 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.06337  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     580
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                   11/27/84       PAGE   87

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ43B     GLARE ON SCREEN                                       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                         LOCATION
                COUNT   I
               ROW PCT  INYU      OTHER AR   ROW
               COL PCT  I         L          TOTAL
               TOT PCT  I      1.I      2.I
RQ43B          --------I--------I--------I
                    1.  I   67   I   334  I   401
  YES                   I  16.7  I  83.3  I   8.2
                        I   8.7  I   8.1  I
                        I   1.4  I   6.8  I
                       -I--------I--------I
                    2.  I   704  I  3804  I  4508
  NO                    I  15.6  I  84.4  I  91.8
                        I  91.3  I  91.9  I
                        I  14.3  I  77.5  I
                       -I--------I--------I
               COLUMN      771      4138     4909
                TOTAL      15.7     84.3    100.0

CORRECTED CHI SQUARE =      0.25409 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.6142
      RAW CHI SQUARE =      0.33141 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.5648
PHI =     0.00822
CONTINGENCY COEFFICIENT =     0.00822
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43B    DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00012 WITH RQ43B    DEPENDENT.          =  0.00008 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00009
KENDALL'S TAU B =     0.00822  SIGNIFICANCE =  0.2824
KENDALL'S TAU C =     0.00328  SIGNIFICANCE =  0.2824
GAMMA =    0.04027
SOMERS'S D (ASYMMETRIC) =  0.00618 WITH RQ43B    DEPENDENT.          =  0.01092 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00790
ETA =  0.00862 WITH RQ43B    DEPENDENT.          =  0.00850 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.00822  SIGNIFICANCE =  0.2823

NUMBER OF MISSING OBSERVATIONS =     602
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   88

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ43C     LETTERS EASY TO READ                                   BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
            COUNT   I
           ROW PCT  INYU      OTHER AR   ROW
           COL PCT  I         L          TOTAL
           TOT PCT  I      1.I      2.I
RQ43C      --------I--------I--------I
              1.   I   689  I  3527  I  4216
  YES              I  16.3  I  83.7  I  85.9
                   I  89.4  I  85.3  I
                   I  14.0  I  71.9  I
                  -I--------I--------I
              2.   I    82  I   609  I   691
  NO               I  11.9  I  88.1  I  14.1
                   I  10.6  I  14.7  I
                   I   1.7  I  12.4  I
                  -I--------I--------I
           COLUMN      771     4136     4907
            TOTAL     15.7     84.3    100.0

CORRECTED CHI SQUARE =      8.64512 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0033
      RAW CHI SQUARE =      8.97991 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0027
PHI =     0.04278
CONTINGENCY COEFFICIENT =     0.04274
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43C    DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00240 WITH RQ43C    DEPENDENT.           =  0.00224 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00231
KENDALL'S TAU B =      0.04278  SIGNIFICANCE =  0.0014
KENDALL'S TAU C =      0.02166  SIGNIFICANCE =  0.0014
GAMMA =     0.18395
SOMERS'S D (ASYMMETRIC) =  0.04089 WITH RQ43C    DEPENDENT.           =  0.04476 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.04274
ETA =  0.04277 WITH RQ43C    DEPENDENT.           =  0.04282 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.04278  SIGNIFICANCE =  0.0014

NUMBER OF MISSING OBSERVATIONS =      604
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE   89

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
     RQ43D     LIGHTING TOO BRIGHT                                 BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LOCATION
              COUNT   I
              ROW PCT INYU      OTHER AR   ROW
              COL PCT I         L          TOTAL
              TOT PCT I       1.I       2.I
RQ43D         --------I---------I---------I
                   1. I    73   I   362   I   435
  YES                 I  16.8   I  83.2   I   8.9
                      I   9.5   I   8.8   I
                      I   1.5   I   7.4   I
                     -I---------I---------I
                   2. I   697   I  3771   I  4468
  NO                  I  15.6   I  84.4   I  91.1
                      I  90.5   I  91.2   I
                      I  14.2   I  76.9   I
                     -I---------I---------I
              COLUMN      770       4133      4903
               TOTAL     15.7       84.3     100.0

CORRECTED CHI SQUARE =      0.33370 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.5635
      RAW CHI SQUARE =      0.41820 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.5178
PHI =     0.00924
CONTINGENCY COEFFICIENT =     0.00924
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43D    DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00014 WITH RQ43D    DEPENDENT.          =  0.00010 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00011
KENDALL'S TAU B =     0.00924  SIGNIFICANCE =  0.2589
KENDALL'S TAU C =     0.00382  SIGNIFICANCE =  0.2589
GAMMA =     0.04354
SOMERS'S D (ASYMMETRIC) =  0.00722 WITH RQ43D    DEPENDENT.          =  0.01182 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00896
ETA =  0.00942 WITH RQ43D    DEPENDENT.          =  0.00950 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.00924  SIGNIFICANCE =  0.2588

NUMBER OF MISSING OBSERVATIONS =     608
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FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ43E     WRITING SPACE OK                                      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LOCATION
              COUNT   I
             ROW PCT  INYU       OTHER AR    ROW
             COL PCT  I          L           TOTAL
             TOT PCT  I      1.I      2.I
RQ43E        --------I--------I--------I
                 1.   I   627  I  2599  I   3226
  YES                 I  19.4  I  80.6  I   65.8
                      I  81.5  I  62.9  I
                      I  12.8  I  53.0  I
                     -I--------I--------I
                 2.   I   142  I  1534  I   1676
  NO                  I   8.5  I  91.5  I   34.2
                      I  18.5  I  37.1  I
                      I   2.9  I  31.3  I
                     -I--------I--------I
             COLUMN       769      4133      4902
              TOTAL      15.7      84.3     100.0

CORRECTED CHI SQUARE =    99.40350 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
      RAW CHI SQUARE =   100.23058 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
PHI =    0.14299
CONTINGENCY COEFFICIENT =     0.14155
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43E    DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01735 WITH RQ43E    DEPENDENT.          =  0.02565 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02070
KENDALL'S TAU B =     0.14299  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =     0.09867  SIGNIFICANCE =  0.0000
GAMMA =     0.44539
SOMERS'S D (ASYMMETRIC) =  0.18650 WITH RQ43E    DEPENDENT.          =  0.10963 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.13809
ETA =  0.14300 WITH RQ43E    DEPENDENT.          =  0.14298 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.14300  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      609
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                  11/27/84        PAGE   91

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ43F     NOISE DISTRACTING                                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                  LOCATION
          COUNT  I
        ROW PCT  INYU      OTHER AR   ROW
        COL PCT  I         L          TOTAL
        TOT PCT  I      1.I      2.I
RQ43F   --------I--------I--------I
             1.  I   57   I   465  I   522
  YES            I  10.9  I  89.1  I  10.7
                 I   7.4  I  11.3  I
                 I   1.2  I   9.5  I
                -I--------I--------I
             2.  I  711   I  3660  I  4371
  NO             I  16.3  I  83.7  I  89.3
                 I  92.6  I  88.7  I
                 I  14.5  I  74.8  I
                -I--------I--------I
         COLUMN     768      4125      4893
          TOTAL     15.7     84.3     100.0

CORRECTED CHI SQUARE =     9.67445 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0019
      RAW CHI SQUARE =    10.07447 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0015
PHI =    0.04538
CONTINGENCY COEFFICIENT =    0.04533
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43F    DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00330 WITH RQ43F    DEPENDENT.           =  0.00258 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00289
KENDALL'S TAU B =    -0.04538  SIGNIFICANCE =  0.0008
KENDALL'S TAU C =    -0.02038  SIGNIFICANCE =  0.0008
GAMMA =   -0.22624
SOMERS'S D (ASYMMETRIC) = -0.03851 WITH RQ43F    DEPENDENT.           = -0.05347 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.04477
ETA =  0.04530 WITH RQ43F    DEPENDENT.          =  0.04542 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.04537  SIGNIFICANCE =  0.0008

NUMBER OF MISSING OBSERVATIONS =     618
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84       PAGE   92

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
    RQ43G     TABLE HEIGHT RIGHT                                       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LOCATION
               COUNT  I
             ROW PCT  INYU       OTHER AR   ROW
             COL PCT  I          L          TOTAL
             TOT PCT  I      1.I      2.I
RQ43G        --------I--------I--------I
                   1.  I    82  I   343  I   425
  YES                  I  19.3  I  80.7  I   8.7
                       I  10.7  I   8.3  I
                       I   1.7  I   7.0  I
                      -I--------I--------I
                   2.  I   683  I  3778  I  4461
  NO                   I  15.3  I  84.7  I  91.3
                       I  89.3  I  91.7  I
                       I  14.0  I  77.3  I
                      -I--------I--------I
              COLUMN       765      4121      4886
               TOTAL      15.7      84.3     100.0

CORRECTED CHI SQUARE =      4.36629 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0367
     RAW CHI SQUARE =      4.66308 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0308
PHI =     0.03089
CONTINGENCY COEFFICIENT =     0.03088
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ43G    DEPENDENT.          =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00153 WITH RQ43G    DEPENDENT.          =  0.00104 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00124
KENDALL'S TAU B =     0.03089  SIGNIFICANCE =  0.0154
KENDALL'S TAU C =     0.01265  SIGNIFICANCE =  0.0154
GAMMA =     0.13882
SOMERS'S D (ASYMMETRIC) =  0.02396 WITH RQ43G    DEPENDENT.          =  0.03984 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.02992
ETA =  0.03093 WITH RQ43G    DEPENDENT.          =  0.03093 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.03090  SIGNIFICANCE =  0.0154

NUMBER OF MISSING OBSERVATIONS =     625
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CPU TIME REQUIRED..    47.76 SECONDS


               138 MULT RESPONSE  GROUPS= RQUEST44  ADDITIONAL SYSTEM FEATURES DESIRED:
               139                     (RQ44A TO RQ44O (1))
               140                RQUEST45  COMPUTER CAT SERVICE IMPROVEMENTS DESIRED:
               141                     (RQ45A TO RQ45I (1))
               142                RQUEST46  ADDITIONAL KINDS OF MATERIALS DESIRED:
               143                     (RQ46A TO RQ46M (1))  /
               144                VARIABLES=LOCATION (1,4)/
               145                TABLES= RQUEST44 TO RQUEST46 BY LOCATION  /

'MULT RESPONSE' PROBLEM REQUIRES     932 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26856 LABELS FOR FREQUENCIES
AND  53713 LABELS FOR TABLES.
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE   94

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST44 (TABULATING     1) ADDITIONAL SYSTEM FEATURES DESIRED:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   2

                        LOCATION

                 COUNT  INYU      OTHER AR
                        I         L          ROW
                        I                    TOTAL
                        I     1  I     2  I
RQUEST44        --------I--------I--------I
             RQ44A      I    58  I   725  I    783
  STEP BY STEP INSTRUC  I        I        I   16.1
                        I--------I--------I
             RQ44B      I   135  I   646  I    781
  SEARCH BY TITLE WORD  I        I        I   16.0
                        I--------I--------I
             RQ44C      I   201  I   960  I   1161
  SUBJECT WORD SEARCH   I        I        I   23.8
                        I--------I--------I
             RQ44D      I    89  I   537  I    626
  LIMIT BY DATE OF PUB  I        I        I   12.8
                        I--------I--------I
             RQ44E      I    95  I   572  I    667
  LIMIT BY LANGUAGE     I        I        I   13.7
                        I--------I--------I
             RQ44F      I   158  I  1016  I   1174
  JOURNAL TITLE ABBRV   I        I        I   24.1
                        I--------I--------I
             RQ44G      I    70  I   450  I    520
  CHANGE DISPLAY ORDER  I        I        I   10.7
                        I--------I--------I
             RQ44H      I   314  I  1960  I   2274
  VIEW RELATED WORDS    I        I        I   46.6
                        I--------I--------I
             RQ44I      I   158  I   767  I    925
  SRCH FOR ILLUS & BIB  I        I        I   19.0
                        I--------I--------I
             RQ44J      I    56  I   428  I    484
  SRCH BY CALL NUMBER   I        I        I    9.9
                        I--------I--------I
             RQ44K      I   297  I  1088  I   1385
  PRINT SEARCH RESULTS  I        I        I   28.4
                        I--------I--------I
                COLUMN      767     4110      4877
                 TOTAL     15.7     84.3     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

(CONTINUED)
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE   95

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST44 (TABULATING     1) ADDITIONAL SYSTEM FEATURES DESIRED:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   2 OF   2

                         LOCATION

                 COUNT  INYU      OTHER AR
                        I         L           ROW
                        I                     TOTAL
                        I       1 I       2 I
RQUEST44       ---------I---------I---------I
              RQ44L     I   393   I  1814   I  2207
  SRCH.CONTENTS-INDEX   I         I         I  45.3
                        I---------I---------I
              RQ44M     I   561   I  1019   I  1580
  IF BOOK CHECKED OUT   I         I         I  32.4
                        I---------I---------I
              RQ44N     I   229   I   530   I   759
  LIB LOCATION OF BOOK  I         I         I  15.6
                        I---------I---------I
              RQ44O     I    14   I   200   I   214
  NONE                  I         I         I   4.4
                        I---------I---------I
                COLUMN     767      4110      4877
                 TOTAL     15.7     84.3     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   4877 VALID CASES          634 MISSING CASES
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FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST45 (TABULATING     1) COMPUTER CAT SERVICE IMPROVEMENTS DESIRE
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                      LOCATION

                COUNT I NYU      OTHER AR
                      I          L           ROW
                      I                      TOTAL
                      I     1  I     2  I
RQUEST45      --------I--------I--------I
         RQ45A        I   430  I  2022  I    2452
  MORE TERMINALS      I        I        I    50.1
                      I--------I--------I
         RQ45B        I   424  I  1547  I    1971
  TERMS IN OTHER LOCAT I       I        I    40.2
                      I--------I--------I
         RQ45C        I   310  I  1712  I    2022
  TERMS OUTSIDE LIBR  I        I        I    41.3
                      I--------I--------I
         RQ45D        I   131  I  1161  I    1292
  COMMAND CHART POSTED I       I        I    26.4
                      I--------I--------I
         RQ45E        I   131  I   776  I     907
  MANUAL AT TERMINAL  I        I        I    18.5
                      I--------I--------I
         RQ45F        I    35  I   307  I     342
  MANUAL FOR PURCHASE I        I        I     7.0
                      I--------I--------I
         RQ45G        I    59  I   474  I     533
  TRAINING SESSIONS   I        I        I    10.9
                      I--------I--------I
         RQ45H        I    60  I   392  I     452
  A-V TRAINING PROGR  I        I        I     9.2
                      I--------I--------I
         RQ45I        I    85  I   620  I     705
  NONE                I        I        I    14.4
                      I--------I--------I
               COLUMN     760      4138      4898
                TOTAL    15.5      84.5     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   4898 VALID CASES          613 MISSING CASES
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FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST46 (TABULATING     1) ADDITIONAL KINDS OF MATERIALS DESIRED:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   2

                       LOCATION

                 COUNT IINYU      OTHER AR
                       I          L         ROW
                       I                    TOTAL
                       I       1 I       2 I
RQUEST46       --------I---------I---------I
          RQ46A        I   273   I   869   I  1142
  DISSERTATIONS        I         I         I  25.3
                       I---------I---------I
          RQ46B        I   161   I   530   I   691
  MOTION PICTURE FILMS I         I         I  15.3
                       I---------I---------I
          RQ46C        I   218   I  1290   I  1508
  GOV PUBLICATIONS     I         I         I  33.4
                       I---------I---------I
          RQ46D        I   442   I   634   I  1076
  JOURNAL TITLES       I         I         I  23.8
                       I---------I---------I
          RQ46E        I    89   I   503   I   592
  MAPS                 I         I         I  13.1
                       I---------I---------I
          RQ46F        I    63   I   335   I   398
  MANUSCRIPTS          I         I         I   8.8
                       I---------I---------I
          RQ46G        I    74   I   309   I   383
  MUSIC SCORES         I         I         I   8.5
                       I---------I---------I
          RQ46H        I   304   I  1182   I  1486
  NEWSPAPERS           I         I         I  32.9
                       I---------I---------I
          RQ46I        I   128   I   716   I   844
  RECORDS OR TAPES     I         I         I  18.7
                       I---------I---------I
          RQ46J        I    98   I   727   I   825
  TECHNICAL REPORTS    I         I         I  18.3
                       I---------I---------I
          RQ46K        I   306   I  1220   I  1526
  MORE OLDER BOOKS     I         I         I  33.8
                       I---------I---------I
                COLUMN      748      3769      4517
                 TOTAL     16.6      83.4     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

(CONTINUED)
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                 11/27/84       PAGE   98

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * *
   RQUEST46 (TABULATING     1) ADDITIONAL KINDS OF MATERIALS DESIRED:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   2 OF   2

                  LOCATION

             COUNT  INYU      OTHER AR
                    I         L          ROW
                    I                    TOTAL
                    I      1 I      2 I
RQUEST46    --------I--------I--------I
          RQ46L     I    41  I   360  I    401
  NONE              I        I        I    8.9
                    I--------I--------I
          RQ46M     I    27  I   114  I    141
  OTHER             I        I        I    3.1
                    I--------I--------I
            COLUMN      748     3769      4517
             TOTAL     16.6     83.4     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   4517 VALID CASES          994 MISSING CASES
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CPU TIME REQUIRED..   38.26 SECONDS

               146 CROSSTABS      TABLES= RQ48 TO RQ52 BY LOCATION
               147 STATISTICS     ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                                    11/27/84        PAGE  100

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ48      I COME TO THIS LIBRARY                                BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                        LOCATION
                 COUNT  I
               ROW PCT  INYU       OTHER AR   ROW
               COL PCT  I          L          TOTAL
               TOT PCT  I       1.I       2.I
RQ48           --------I---------I---------I
                    1.  I   237   I  1542   I  1779
  DAILY                 I  13.3   I  86.7   I  35.6
                        I  30.5   I  36.6   I
                        I   4.7   I  30.9   I
                       -I---------I---------I
                    2.  I   379   I  1810   I  2189
  WEEKLY                I  17.3   I  82.7   I  43.8
                        I  48.8   I  42.9   I
                        I   7.6   I  36.3   I
                       -I---------I---------I
                    3.  I   108   I   515   I   623
  MONTHLY               I  17.3   I  82.7   I  12.5
                        I  13.9   I  12.2   I
                        I   2.2   I  10.3   I
                       -I---------I---------I
                    4.  I    28   I   202   I   230
  4 TIMES YEAR          I  12.2   I  87.8   I   4.6
                        I   3.6   I   4.8   I
                        I   0.6   I   4.0   I
                       -I---------I---------I
                    5.  I    12   I    51   I    63
  ONCE A  YEAR          I  19.0   I  81.0   I   1.3
                        I   1.5   I   1.2   I
                        I   0.2   I   1.0   I
                       -I---------I---------I
                    6.  I    13   I    96   I   109
  NOT BEFORE TODAY      I  11.9   I  88.1   I   2.2
                        I   1.7   I   2.3   I
                        I   0.3   I   1.9   I
                       -I---------I---------I
                COLUMN      777      4216      4993
                 TOTAL     15.6      84.4     100.0

CHI SQUARE =     17.08440 WITH    5 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0043
CRAMER'S V =     0.05850
CONTINGENCY COEFFICIENT =     0.05840
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ48      DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00137 WITH RQ48      DEPENDENT.           =  0.00402 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00204
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KENDALL'S TAU B =    -0.02941  SIGNIFICANCE =  0.0131
KENDALL'S TAU C =    -0.02454  SIGNIFICANCE =  0.0131
GAMMA =    -0.07077
SOMERS'S D (ASYMMETRIC) = -0.04669 WITH RQ48      DEPENDENT.           = -0.01852 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.02652
ETA =  0.01358 WITH RQ48      DEPENDENT.          =  0.05844 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.01355  SIGNIFICANCE =  0.1692

NUMBER OF MISSING OBSERVATIONS =      518
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE  102

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
    RQ49       I USE THIS COMPUTER CATALOG                    BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LOCATION
              COUNT   I
             ROW PCT  INYU       OTHER AR    ROW
             COL PCT  I          L           TOTAL
             TOT PCT  I       1.I       2.I
RQ49         --------I---------I---------I
                  1.  I   174   I   719   I    893
  EVERY   VISIT       I  19.5   I  80.5   I   17.8
                      I  22.3   I  17.0   I
                      I   3.5   I  14.4   I
                     -I---------I---------I
                  2.  I   296   I  1691   I   1987
  MOST    VISITS      I  14.9   I  85.1   I   39.7
                      I  37.9   I  40.0   I
                      I   5.9   I  33.8   I
                     -I---------I---------I
                  3.  I   226   I  1303   I   1529
  OCCASIONALLY        I  14.8   I  85.2   I   30.5
                      I  28.9   I  30.8   I
                      I   4.5   I  26.0   I
                     -I---------I---------I
                  4.  I    41   I   253   I    294
  RARELY              I  13.9   I  86.1   I    5.9
                      I   5.2   I   6.0   I
                      I   0.8   I   5.1   I
                     -I---------I---------I
                  5.  I    44   I   260   I    304
  NOT BEFORE TODAY    I  14.5   I  85.5   I    6.1
                      I   5.6   I   6.2   I
                      I   0.9   I   5.2   I
                     -I---------I---------I
             COLUMN      781       4226       5007
              TOTAL     15.6       84.4      100.0

CHI SQUARE =     12.66683 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0130
CRAMER'S V =    0.05030
CONTINGENCY COEFFICIENT =     0.05023
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ49     DEPENDENT.          =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00088 WITH RQ49     DEPENDENT.          =  0.00279 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00134
KENDALL'S TAU B =    0.03507  SIGNIFICANCE =  0.0035
KENDALL'S TAU C =    0.03034  SIGNIFICANCE =  0.0035
GAMMA =    0.08061
SOMERS'S D (ASYMMETRIC) =  0.05761 WITH RQ49     DEPENDENT.          =  0.02135 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.03116
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ETA =  0.03552 WITH RQ49      DEPENDENT.           =  0.05030 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.03553  SIGNIFICANCE =  0.0060

NUMBER OF MISSING OBSERVATIONS =      504
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                            11/27/84        PAGE  104

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ50      I USE LIB'S BK CRD OR MICRO CAT             BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LOCATION
            COUNT  I
          ROW PCT  INYU       OTHER AR   ROW
          COL PCT  I          L          TOTAL
          TOT PCT  I       1.I       2.I
RQ50      --------I--------I--------I
               1.  I    93  I   442  I   535
  EVERY    VISIT   I  17.4  I  82.6  I  10.7
                   I  11.9  I  10.5  I
                   I   1.9  I   8.9  I
                  -I--------I--------I
               2.  I   185  I   872  I  1057
  MOST     VISITS  I  17.5  I  82.5  I  21.2
                   I  23.7  I  20.7  I
                   I   3.7  I  17.5  I
                  -I--------I--------I
               3.  I   307  I  1575  I  1882
  OCCASIONALLY     I  16.3  I  83.7  I  37.8
                   I  39.4  I  37.5  I
                   I   6.2  I  31.6  I
                  -I--------I--------I
               4.  I   139  I   937  I  1076
  RARELY           I  12.9  I  87.1  I  21.6
                   I  17.8  I  22.3  I
                   I   2.8  I  18.8  I
                  -I--------I--------I
               5.  I    55  I   379  I   434
  NOT BEFORE TODAY I  12.7  I  87.3  I   8.7
                   I   7.1  I   9.0  I
                   I   1.1  I   7.6  I
                  -I--------I--------I
           COLUMN      779     4205     4984
            TOTAL     15.6     84.4    100.0
CHI SQUARE =     13.60006 WITH    4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0087
CRAMER'S V =     0.05224
CONTINGENCY COEFFICIENT =     0.05217
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ50     DEPENDENT.           =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00095 WITH RQ50     DEPENDENT.           =  0.00323 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00146
KENDALL'S TAU B =     0.04433  SIGNIFICANCE =  0.0003
KENDALL'S TAU C =     0.03934  SIGNIFICANCE =  0.0003
GAMMA =     0.10019
SOMERS'S D (ASYMMETRIC) =  0.07458 WITH RQ50     DEPENDENT.           =  0.02634 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.03893
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ETA =  0.04702 WITH RQ50     DEPENDENT.           =  0.05229 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.04702  SIGNIFICANCE =  0.0004

NUMBER OF MISSING OBSERVATIONS =     527
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FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ51      I USE ANOTHER COMPUTER SYSTEM                  BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
              COUNT  I
            ROW PCT  INYU       OTHER AR   ROW
            COL PCT  I          L          TOTAL
            TOT PCT  I       1.I       2.I
RQ51        ---------I---------I---------I
                 1.  I   110   I   496   I   606
  DAILY              I  18.2   I  81.8   I  12.2
                     I  14.1   I  11.8   I
                     I   2.2   I  10.0   I
                    -I---------I---------I
                 2.  I   162   I   784   I   946
  WEEKLY             I  17.1   I  82.9   I  19.0
                     I  20.8   I  18.7   I
                     I   3.3   I  15.8   I
                    -I---------I---------I
                 3.  I    84   I   580   I   664
  MONTHLY            I  12.7   I  87.3   I  13.3
                     I  10.8   I  13.8   I
                     I   1.7   I  11.7   I
                    -I---------I---------I
                 4.  I    93   I   537   I   630
  4 TIMES A YEAR     I  14.8   I  85.2   I  12.7
                     I  12.0   I  12.8   I
                     I   1.9   I  10.8   I
                    -I---------I---------I
                 5.  I    47   I   386   I   433
  ONCE A  YEAR       I  10.9   I  89.1   I   8.7
                     I   6.0   I   9.2   I
                     I   0.9   I   7.8   I
                    -I---------I---------I
                 6.  I   282   I  1416   I  1698
  NEVER              I  16.6   I  83.4   I  34.1
                     I  36.2   I  33.7   I
                     I   5.7   I  28.5   I
                    -I---------I---------I
             COLUMN      778      4199      4977
              TOTAL     15.6      84.4     100.0

CHI SQUARE =     18.07239 WITH    5 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0029
CRAMER'S V =     0.06026
CONTINGENCY COEFFICIENT =       0.06015
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ51     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00113 WITH RQ51     DEPENDENT.          =  0.00438 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00180
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KENDALL'S TAU B =     0.00928  SIGNIFICANCE =  0.2318
KENDALL'S TAU C =     0.00848  SIGNIFICANCE =  0.2318
GAMMA =     0.02044
SOMERS'S D (ASYMMETRIC) =  0.01607 WITH RQ51     DEPENDENT.           =  0.00536 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00804
ETA =  0.01266 WITH RQ51     DEPENDENT.         =  0.06030 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.01249  SIGNIFICANCE =  0.1891

NUMBER OF MISSING OBSERVATIONS =      534
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                      11/27/84       PAGE  108

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ52      HEARD ABOUT COMPUTER CAT FROM                BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                  LOCATION
          COUNT  I
        ROW PCT  INYU       OTHER AR   ROW
        COL PCT  I         L          TOTAL
        TOT PCT  I       1.I       2.I
RQ52    ---------I---------I---------I
             1.  I   534   I  2756   I  3290
 NOTICED TERM IN I  16.2   I  83.8   I  66.4
                 I  68.7   I  66.0   I
                 I  10.8   I  55.7   I
                -I---------I---------I
             2.  I    61   I   524   I   585
 LIBRARY TOUR    I  10.4   I  89.6   I  11.8
                 I   7.9   I  12.6   I
                 I   1.2   I  10.6   I
                -I---------I---------I
             3.  I   101   I   114   I   215
 ARTICLE-ANNOUNCE I 47.0   I  53.0   I   4.3
                 I  13.0   I   2.7   I
                 I   2.0   I   2.3   I
                -I---------I---------I
             4.  I    14   I   192   I   206
 INSTRUCTOR      I   6.8   I  93.2   I   4.2
                 I   1.8   I   4.6   I
                 I   0.3   I   3.9   I
                -I---------I---------I
             5.  I    51   I   324   I   375
 FRIEND - FAMILY I  13.6   I  86.4   I   7.6
                 I   6.6   I   7.8   I
                 I   1.0   I   6.5   I
                -I---------I---------I
             6.  I    16   I   265   I   281
 LIBRARY STAFF   I   5.7   I  94.3   I   5.7
                 I   2.1   I   6.3   I
                 I   0.3   I   5.4   I
                -I---------I---------I
         COLUMN      777      4175      4952
          TOTAL     15.7      84.3     100.0
CHI SQUARE =   206.84644 WITH   5 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.20438
CONTINGENCY COEFFICIENT =     0.20024
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ52      DEPENDENT.         =  0.0      WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01522 WITH RQ52      DEPENDENT.          =  0.04030 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.02209
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KENDALL'S TAU B =     0.02622  SIGNIFICANCE =  0.0248
KENDALL'S TAU C =     0.01968  SIGNIFICANCE =  0.0248
GAMMA =     0.07073
SOMERS'S D (ASYMMETRIC) =  0.03718 WITH RQ52     DEPENDENT.          =  0.01849 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.02470
ETA =  0.04358 WITH RQ52     DEPENDENT.          =  0.20438 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.04359  SIGNIFICANCE =  0.0011

NUMBER OF MISSING OBSERVATIONS =      559
```

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CPU TIME REQUIRED..    23.41 SECONDS


             148 MULT RESPONSE  GROUPS= RQUEST53  I LEARNED HOW TO USE THIS COMP CAT:
             149                     (RQ53A TO RQ53G (1)) /
             150                VARIABLES=LOCATION (1,4)/
             151                TABLES= RQUEST53 BY LOCATION  /

'MULT RESPONSE' PROBLEM REQUIRES      204 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26874 LABELS FOR FREQUENCIES
AND  53749 LABELS FOR TABLES.
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84      PAGE  111

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST53 (TABULATING     1) I LEARNED HOW TO USE THIS COMP CAT:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                        LOCATION

                  COUNT  INYU      OTHER AR
                         I         L          ROW
                         I                   TOTAL
                         I     1  I     2  I
RQUEST53        ---------I--------I--------I
            RQ53A        I    75  I   631  I    706
  FROM A FRIEND          I        I        I   14.2
                         I--------I--------I
            RQ53B        I   243  I  2341  I   2584
  BY PRINTED INSTR       I        I        I   51.8
                         I--------I--------I
            RQ53C        I   501  I  1352  I   1853
  BY INSTR ON TERMINAL   I        I        I   37.2
                         I--------I--------I
            RQ53D        I    29  I   858  I    887
  FROM LIBRARY STAFF     I        I        I   17.8
                         I--------I--------I
            RQ53E        I    13  I   302  I    315
  FROM LIBRARY COURSE    I        I        I    6.3
                         I--------I--------I
            RQ53G        I   203  I   876  I   1079
  BY MYSELF              I        I        I   21.6
                         I--------I--------I
                 COLUMN     779     4205      4984
                  TOTAL    15.6     84.4     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   4984 VALID CASES          527 MISSING CASES
```

```
CPU TIME REQUIRED..    21.98 SECONDS

            152 CROSSTABS      TABLES= RQ54 TO RQ57 BY LOCATION

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84        PAGE  113

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ54     MY AGE GROUP IS                                      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  2

                      LOCATION
             COUNT  I
           ROW PCT  INYU       OTHER AR   ROW
           COL PCT  I          L          TOTAL
           TOT PCT  I       1.I       2.I
RQ54       --------I---------I---------I
                1.  I       1  I      27  I     28
  14 AND  UNDER     I     3.6  I    96.4  I    0.6
                    I     0.1  I     0.6  I
                    I     0.0  I     0.5  I
                   -I---------I---------I
                2.  I     185  I     832  I   1017
  15 - 19 YEARS     I    18.2  I    81.8  I   20.3
                    I    23.7  I    19.7  I
                    I     3.7  I    16.6  I
                   -I---------I---------I
                3.  I     284  I    1886  I   2170
  20 - 24 YEARS     I    13.1  I    86.9  I   43.4
                    I    36.4  I    44.7  I
                    I     5.7  I    37.7  I
                   -I---------I---------I
                4.  I     233  I    1057  I   1290
  25 - 34 YEARS     I    18.1  I    81.9  I   25.8
                    I    29.8  I    25.1  I
                    I     4.7  I    21.1  I
                   -I---------I---------I
                5.  I      54  I     284  I    338
  35 - 44 YEARS     I    16.0  I    84.0  I    6.8
                    I     6.9  I     6.7  I
                    I     1.1  I     5.7  I
                   -I---------I---------I
                6.  I      14  I      77  I     91
  45 - 54 YEARS     I    15.4  I    84.6  I    1.8
                    I     1.8  I     1.8  I
                    I     0.3  I     1.5  I
                   -I---------I---------I
                7.  I       7  I      32  I     39
  55 - 64 YEARS     I    17.9  I    82.1  I    0.8
                    I     0.9  I     0.8  I
                    I     0.1  I     0.6  I
                   -I---------I---------I
            COLUMN        781       4217       4998
             TOTAL       15.6       84.4      100.0
(CONTINUED)
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE  114

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
    RQ54       MY AGE GROUP IS                                        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                      LOCATION
             COUNT   I
             ROW PCT INYU      OTHER AR  ROW
             COL PCT I         L         TOTAL
             TOT PCT I      1.I      2.I
RQ54         --------I--------I--------I
                  8. I      3 I     22 I     25
  65 AND  OVER       I   12.0 I   88.0 I    0.5
                     I    0.4 I    0.5 I
                     I    0.1 I    0.4 I
                    -I--------I--------I
             COLUMN       781     4217     4998
              TOTAL      15.6     84.4    100.0

NUMBER OF MISSING OBSERVATIONS =       513
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84        PAGE  115

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
   RQ55      SEX                                                BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                     LOCATION
             COUNT  I
           ROW PCT  INYU       OTHER AR   ROW
           COL PCT  I          L          TOTAL
           TOT PCT  I      1.I      2.I
RQ55       --------I--------I--------I
              1.    I   382  I  1631  I  2013
  FEMALE            I  19.0  I  81.0  I  40.8
                    I  49.9  I  39.1  I
                    I   7.7  I  33.0  I
                   -I--------I--------I
              2.    I   383  I  2540  I  2923
  MALE              I  13.1  I  86.9  I  59.2
                    I  50.1  I  60.9  I
                    I   7.8  I  51.5  I
                   -I--------I--------I
           COLUMN       765      4171     4936
            TOTAL      15.5      84.5    100.0

NUMBER OF MISSING OBSERVATIONS =      575
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                     11/27/84       PAGE  116
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
    RQ56      CURRENT OR HIGHEST GRADE COMPLETED           BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LOCATION
              COUNT  I
            ROW PCT  INYU      OTHER AR   ROW
            COL PCT  I         L          TOTAL
            TOT PCT  I      1.I      2.I
RQ56        --------I--------I--------I
                1.  I      1 I     33 I     34
  GRADE    SCHOOL   I    2.9 I   97.1 I    0.7
                    I    0.1 I    0.8 I
                    I    0.0 I    0.7 I
                   -I--------I--------I
                2.  I     10 I    116 I    126
  HIGH     SCHOOL   I    7.9 I   92.1 I    2.5
                    I    1.3 I    2.8 I
                    I    0.2 I    2.3 I
                   -I--------I--------I
                3.  I    420 I   2221 I   2641
  SOME     COLLEGE  I   15.9 I   84.1 I   53.0
                    I   53.9 I   52.9 I
                    I    8.4 I   44.6 I
                   -I--------I--------I
                4.  I    348 I   1832 I   2180
  COLLEGE GRADUATE  I   16.0 I   84.0 I   43.8
                    I   44.7 I   43.6 I
                    I    7.0 I   36.8 I
                   -I--------I--------I
             COLUMN      779     4202      4981
              TOTAL     15.6     84.4     100.0

NUMBER OF MISSING OBSERVATIONS =      530
```

```
FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ57      MY ACADEMIC AREA IS                                    BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE   1 OF  2

                  LOCATION
          COUNT  I
        ROW PCT  INYU       OTHER AR    ROW
        COL PCT  I          L           TOTAL
        TOT PCT  I       1.I       2.I
RQ57     --------I---------I---------I
             1.  I   265   I  1123   I   1388
  ART AND HUMANITI I  19.1   I  80.9   I   28.7
                 I   34.9   I  27.5   I
                 I    5.5   I  23.2   I
                -I---------I---------I
             2.  I    58   I   481   I    539
  PHYS-BIO SCIENCE I  10.8   I  89.2   I   11.1
                 I    7.6   I  11.8   I
                 I    1.2   I   9.9   I
                -I---------I---------I
             3.  I   155   I   753   I    908
  SOCIAL  SCIENCES I  17.1   I  82.9   I   18.8
                 I   20.4   I  18.4   I
                 I    3.2   I  15.6   I
                -I---------I---------I
             4.  I    97   I   482   I    579
  BUSINESS-MANAGEM I  16.8   I  83.2   I   12.0
                 I   12.8   I  11.8   I
                 I    2.0   I  10.0   I
                -I---------I---------I
             5.  I    19   I   189   I    208
  EDUCATION      I    9.1   I  90.9   I    4.3
                 I    2.5   I   4.6   I
                 I    0.4   I   3.9   I
                -I---------I---------I
             6.  I    24   I   495   I    519
  ENGINEERING    I    4.6   I  95.4   I   10.7
                 I    3.2   I  12.1   I
                 I    0.5   I  10.2   I
                -I---------I---------I
             7.  I    65   I   233   I    298
  MEDICAL-HEALTH S I  21.8   I  78.2   I    6.2
                 I    8.6   I   5.7   I
                 I    1.3   I   4.8   I
                -I---------I---------I
         COLUMN     759       4083       4842
          TOTAL     15.7      84.3      100.0
(CONTINUED)
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84        PAGE  118

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ57      MY ACADEMIC AREA IS                                 BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *   PAGE  2 OF  2

                  LOCATION
          COUNT  I
        ROW PCT  INYU       OTHER AR   ROW
        COL PCT  I          L          TOTAL
        TOT PCT  I      1.I       2.I
RQ57             --------I--------I
             8.  I    26  I    83  I    109
  LAW            I  23.9  I  76.1  I    2.3
                 I   3.4  I   2.0  I
                 I   0.5  I   1.7  I
                -I--------I--------I
             9.  I    29  I   114  I    143
  MAJOR UNDECLARED I  20.3  I  79.7  I    3.0
                 I   3.8  I   2.8  I
                 I   0.6  I   2.4  I
                -I--------I--------I
            10.  I    21  I   130  I    151
  INTERDISCIPLINAR I  13.9  I  86.1  I    3.1
                 I   2.8  I   3.2  I
                 I   0.4  I   2.7  I
                -I--------I--------I
         COLUMN      759      4083      4842
          TOTAL     15.7      84.3     100.0

NUMBER OF MISSING OBSERVATIONS =      669
```

```
CPU TIME REQUIRED..   22.89 SECONDS


             153 MULT RESPONSE  GROUPS= RQUEST58 THE MAIN FOCUS OF MY ACADEMIC WORK IS:
             154                    (RQ58A TO RQ58C (1)) /
             155                VARIABLES=LOCATION (1,4)/
             156                TABLES= RQUEST58 BY LOCATION  /

'MULT RESPONSE' PROBLEM REQUIRES     124 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26876 LABELS FOR FREQUENCIES
AND  53753 LABELS FOR TABLES.
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                              11/27/84        PAGE  120

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQUEST58 (TABULATING      1) THE MAIN FOCUS OF MY ACADEMIC WORK IS:
BY LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE    1 OF    1

                        LOCATION

                  COUNT  INYU      OTHER AR
                         I         L         ROW
                         I                   TOTAL
                         I     1  I     2  I
RQUEST58         --------I--------I--------I
              RQ58A      I   584  I  2966  I   3550
  COURSE WORK            I        I        I   74.4
                         I--------I--------I
              RQ58B      I    47  I   388  I    435
  TEACHING               I        I        I    9.1
                         I--------I--------I
              RQ58C      I   297  I  1534  I   1831
  RESEARCH               I        I        I   38.4
                         I--------I--------I
                 COLUMN      754     4019      4773
                  TOTAL     15.8     84.2     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   4773 VALID CASES          738 MISSING CASES
```

```
CPU TIME REQUIRED..   21.28 SECONDS


            157 CROSSTABS      TABLES= RQ59 TO RQ63 BY LOCATION
            158 STATISTICS     ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
```

```
COMBINE NYU AND ORIGINAL CLR STUDY DATA                                       11/27/84       PAGE  122
FILE   FINAL     (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * *
   RQ59      PRESENT AFFILIATION                             BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF

                  LOCATION
          COUNT  I
        ROW PCT  INYU      OTHER AR    ROW
        COL PCT  I         L           TOTAL
        TOT PCT  I       1.I       2.I
RQ59    --------I--------I--------I
             1.  I   236  I   904  I   1140
 FRESHMAN-SOPHOMO I  20.7  I  79.3  I   24.1
                 I  31.5  I  22.7  I
                 I   5.0  I  19.1  I
                -I--------I--------I
             2.  I   196  I  1352  I   1548
 JUNIOR--SENIOR  I  12.7  I  87.3  I   32.7
                 I  26.1  I  33.9  I
                 I   4.1  I  28.6  I
                -I--------I--------I
             3.  I   130  I   542  I    672
 GRADUATE-MASTERS I  19.3  I  80.7  I   14.2
                 I  17.3  I  13.6  I
                 I   2.7  I  11.4  I
                -I--------I--------I
             4.  I    89  I   442  I    531
 GRADUATE-DOCTORA I  16.8  I  83.2  I   11.2
                 I  11.9  I  11.1  I
                 I   1.9  I   9.3  I
                -I--------I--------I
             5.  I    23  I   108  I    131
 GRADUATE-PROFESS I  17.6  I  82.4  I    2.8
                 I   3.1  I   2.7  I
                 I   0.5  I   2.3  I
                -I--------I--------I
             6.  I    20  I   158  I    178
 FACULTY         I  11.2  I  88.8  I    3.8
                 I   2.7  I   4.0  I
                 I   0.4  I   3.3  I
                -I--------I--------I
             7.  I     9  I   132  I    141
 STAFF           I   6.4  I  93.6  I    3.0
                 I   1.2  I   3.3  I
                 I   0.2  I   2.8  I
                -I--------I--------I
         COLUMN      750      3984      4734
          TOTAL     15.8      84.2     100.0
(CONTINUED)
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                          11/27/84        PAGE  123

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ59      PRESENT AFFILIATION                                   BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                         LOCATION
               COUNT   I
               ROW PCT INYU       OTHER AR   ROW
               COL PCT I          L          TOTAL
               TOT PCT I       1.I       2.I
RQ59           --------I---------I---------I
                    8.  I    47   I   346   I    393
  OTHER    STATUS    I   12.0   I  88.0   I    8.3
                     I    6.3   I   8.7   I
                     I    1.0   I   7.3   I
                    -I---------I---------I
               COLUMN      750       3984      4734
                TOTAL     15.8       84.2     100.0

CHI SQUARE =     55.48692 WITH   7 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.10826
CONTINGENCY COEFFICIENT =     0.10763
LAMBDA (ASYMMETRIC) =  0.01255 WITH RQ59     DEPENDENT.           =  0.0     WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01016
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00343 WITH RQ59     DEPENDENT.           =  0.01385 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00550
KENDALL'S TAU B =     0.04849  SIGNIFICANCE =  0.0001
KENDALL'S TAU C =     0.04458  SIGNIFICANCE =  0.0001
GAMMA =     0.10508
SOMERS'S D (ASYMMETRIC) =  0.08359 WITH RQ59     DEPENDENT.           =  0.02813 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.04209
ETA =  0.05691 WITH RQ59     DEPENDENT.           =  0.10829 WITH LOCATION DEPENDENT.
PEARSON'S R = 0.05691  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      777
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84       PAGE  124
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ60                                                       BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  3

                  LOCATION
          COUNT  I
         ROW PCT INYU       OTHER AR   ROW
         COL PCT I          L          TOTAL
         TOT PCT I      1.I      2.I
RQ60     --------I--------I--------I
            0.   I   430  I  4701  I   5131
                 I   8.4  I  91.6  I   93.1
                 I  53.1  I 100.0  I
                 I   7.8  I  85.3  I
                -I--------I--------I
            1.   I   115  I     0  I    115
                 I 100.0  I   0.0  I    2.1
                 I  14.2  I   0.0  I
                 I   2.1  I   0.0  I
                -I--------I--------I
            2.   I    25  I     0  I     25
                 I 100.0  I   0.0  I    0.5
                 I   3.1  I   0.0  I
                 I   0.5  I   0.0  I
                -I--------I--------I
            3.   I   133  I     0  I    133
                 I 100.0  I   0.0  I    2.4
                 I  16.4  I   0.0  I
                 I   2.4  I   0.0  I
                -I--------I--------I
            4.   I     5  I     0  I      5
                 I 100.0  I   0.0  I    0.1
                 I   0.6  I   0.0  I
                 I   0.1  I   0.0  I
                -I--------I--------I
            5.   I     2  I     0  I      2
                 I 100.0  I   0.0  I    0.0
                 I   0.2  I   0.0  I
                 I   0.0  I   0.0  I
                -I--------I--------I
            6.   I     6  I     0  I      6
                 I 100.0  I   0.0  I    0.1
                 I   0.7  I   0.0  I
                 I   0.1  I   0.0  I
                -I--------I--------I
          COLUMN     810     4701      5511
           TOTAL    14.7     85.3     100.0
(CONTINUED)
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                   11/27/84        PAGE  125
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
    RQ60                                                      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF

                    LOCATION
            COUNT  I
          ROW PCT  INYU       OTHER AR    ROW
          COL PCT  I          L           TOTAL
          TOT PCT  I       1.I       2.I
RQ60      --------I---------I---------I
               7.  I      9  I      0  I      9
                   I  100.0  I    0.0  I    0.2
                   I    1.1  I    0.0  I
                   I    0.2  I    0.0  I
                  -I---------I---------I
               8.  I     29  I      0  I     29
                   I  100.0  I    0.0  I    0.5
                   I    3.6  I    0.0  I
                   I    0.5  I    0.0  I
                  -I---------I---------I
               9.  I      2  I      0  I      2
                   I  100.0  I    0.0  I    0.0
                   I    0.2  I    0.0  I
                   I    0.0  I    0.0  I
                  -I---------I---------I
              10.  I     25  I      0  I     25
                   I  100.0  I    0.0  I    0.5
                   I    3.1  I    0.0  I
                   I    0.5  I    0.0  I
                  -I---------I---------I
              11.  I      1  I      0  I      1
                   I  100.0  I    0.0  I    0.0
                   I    0.1  I    0.0  I
                   I    0.0  I    0.0  I
                  -I---------I---------I
              12.  I     10  I      0  I     10
                   I  100.0  I    0.0  I    0.2
                   I    1.2  I    0.0  I
                   I    0.2  I    0.0  I
                  -I---------I---------I
              13.  I      6  I      0  I      6
                   I  100.0  I    0.0  I    0.1
                   I    0.7  I    0.0  I
                   I    0.1  I    0.0  I
                  -I---------I---------I
           COLUMN       810      4701      5511
            TOTAL      14.7      85.3     100.0
(CONTINUED)
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE  126

FILE   FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ60                                                      BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  3 OF  3

                  LOCATION
          COUNT  I
        ROW PCT  INYU       OTHER AR   ROW
        COL PCT  I          L          TOTAL
        TOT PCT  I      1.I      2.I
RQ60    --------I---------I---------I
            14.  I     3   I     0   I     3
                 I 100.0   I   0.0   I   0.1
                 I   0.4   I   0.0   I
                 I   0.1   I   0.0   I
                -I---------I---------I
            15.  I     9   I     0   I     9
                 I 100.0   I   0.0   I   0.2
                 I   1.1   I   0.0   I
                 I   0.2   I   0.0   I
                -I---------I---------I
         COLUMN      810       4701      5511
          TOTAL      14.7      85.3     100.0

   18 OUT OF     32 ( 56.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.147
CHI SQUARE =  2368.73438 WITH  15 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.65561
CONTINGENCY COEFFICIENT =     0.54828
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ60     DEPENDENT.          =  0.46914 WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.31933
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.39427 WITH RQ60     DEPENDENT.          =  0.35772 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.37511
KENDALL'S TAU B =    -0.64646  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.23527  SIGNIFICANCE =  0.0000
GAMMA =    -1.00000
SOMERS'S D (ASYMMETRIC) = -0.46914 WITH RQ60     DEPENDENT.          = -0.89082 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.61460
ETA =  0.47882 WITH RQ60     DEPENDENT.          =  0.65561 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.47881  SIGNIFICANCE =  0.0000
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                      11/27/84        PAGE  127

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ61                                                        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                 LOCATION
        COUNT   I
        ROW PCT INYU      OTHER AR   ROW
        COL PCT I         L          TOTAL
        TOT PCT I       1.I       2.I
RQ61    --------I---------I---------I
          0.    I   197   I  4701   I  4898
                I   4.0   I  96.0   I  88.9
                I  24.3   I 100.0   I
                I   3.6   I  85.3   I
               -I---------I---------I
          1.    I   302   I     0   I   302
                I 100.0   I   0.0   I   5.5
                I  37.3   I   0.0   I
                I   5.5   I   0.0   I
               -I---------I---------I
          2.    I   162   I     0   I   162
                I 100.0   I   0.0   I   2.9
                I  20.0   I   0.0   I
                I   2.9   I   0.0   I
               -I---------I---------I
          3.    I   139   I     0   I   139
                I 100.0   I   0.0   I   2.5
                I  17.2   I   0.0   I
                I   2.5   I   0.0   I
               -I---------I---------I
          4.    I     9   I     0   I     9
                I 100.0   I   0.0   I   0.2
                I   1.1   I   0.0   I
                I   0.2   I   0.0   I
               -I---------I---------I
          9.    I     1   I     0   I     1
                I 100.0   I   0.0   I   0.0
                I   0.1   I   0.0   I
                I   0.0   I   0.0   I
               -I---------I---------I
        COLUMN      810      4701      5511
         TOTAL     14.7      85.3     100.0

    3 OUT OF    12 ( 25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.147
CHI SQUARE =  4002.92236 WITH    5 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0
CRAMER'S V =     0.85226
CONTINGENCY COEFFICIENT =     0.64865
LAMBDA (ASYMMETRIC) =  0.17129 WITH RQ61      DEPENDENT.           =  0.75679 WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.50457
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.56626 WITH RQ61      DEPENDENT.           =  0.64093 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.60129
```

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KENDALL'S TAU B =    -0.83580  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.37953  SIGNIFICANCE =  0.0000
GAMMA =    -1.00000
SOMERS'S D (ASYMMETRIC) = -0.75679 WITH RQ61      DEPENDENT.           = -0.92305 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.83169
ETA =  0.75085 WITH RQ61      DEPENDENT.           =  0.85226 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.75085  SIGNIFICANCE =  0.0000
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                             11/27/84        PAGE  129

FILE   FINAL    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
    RQ62                                                   BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LOCATION
            COUNT  I
           ROW PCT INYU      OTHER AR   ROW
           COL PCT I         L         TOTAL
           TOT PCT I       1.I       2.I
RQ62       --------I---------I---------I
               0.  I   186   I  4700   I  4886
                   I   3.8   I  96.2   I  88.7
                   I  23.0   I 100.0   I
                   I   3.4   I  85.3   I
                  -I---------I---------I
               1.  I   386   I     0   I   386
                   I 100.0   I   0.0   I   7.0
                   I  47.7   I   0.0   I
                   I   7.0   I   0.0   I
                  -I---------I---------I
               2.  I   237   I     0   I   237
                   I 100.0   I   0.0   I   4.3
                   I  29.3   I   0.0   I
                   I   4.3   I   0.0   I
                  -I---------I---------I
               3.  I     1   I     0   I     1
                   I 100.0   I   0.0   I   0.0
                   I   0.1   I   0.0   I
                   I   0.0   I   0.0   I
                  -I---------I---------I
               8.  I     0   I     1   I     1
                   I   0.0   I 100.0   I   0.0
                   I   0.0   I   0.0   I
                   I   0.0   I   0.0   I
                  -I---------I---------I
           COLUMN      810      4701      5511
            TOTAL     14.7      85.3     100.0

    4 OUT OF     10 ( 40.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.147
CHI SQUARE =  4083.93726 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.86084
CONTINGENCY COEFFICIENT =     0.65241
LAMBDA (ASYMMETRIC) =  0.32000 WITH RQ62     DEPENDENT.           =  0.77037 WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.57422
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.63523 WITH RQ62     DEPENDENT.           =  0.65645 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.64566
KENDALL'S TAU B =    -0.84705  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.38615  SIGNIFICANCE =  0.0000
GAMMA =    -0.99945
SOMERS'S D (ASYMMETRIC) = -0.76999 WITH RQ62     DEPENDENT.           = -0.93183 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.84322
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ETA =  0.78481 WITH RQ62      DEPENDENT.          =  0.86084 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.78481  SIGNIFICANCE =  0.0000
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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                        11/27/84        PAGE  131
FILE   FINAL    (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ63                                                 BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  2

                  LOCATION
          COUNT  I
        ROW PCT  INYU       OTHER AR   ROW
        COL PCT  I         L         TOTAL
        TOT PCT  I     1.I     2.I
RQ63    --------I--------I--------I
           0.   I   194  I  4701  I   4895
                I   4.0  I  96.0  I   88.8
                I  24.0  I 100.0  I
                I   3.5  I  85.3  I
               -I--------I--------I
           1.   I   546  I     0  I    546
                I 100.0  I   0.0  I    9.9
                I  67.4  I   0.0  I
                I   9.9  I   0.0  I
               -I--------I--------I
           2.   I    19  I     0  I     19
                I 100.0  I   0.0  I    0.3
                I   2.3  I   0.0  I
                I   0.3  I   0.0  I
               -I--------I--------I
           3.   I    23  I     0  I     23
                I 100.0  I   0.0  I    0.4
                I   2.8  I   0.0  I
                I   0.4  I   0.0  I
               -I--------I--------I
           4.   I     4  I     0  I      4
                I 100.0  I   0.0  I    0.1
                I   0.5  I   0.0  I
                I   0.1  I   0.0  I
               -I--------I--------I
           5.   I     1  I     0  I      1
                I 100.0  I   0.0  I    0.0
                I   0.1  I   0.0  I
                I   0.0  I   0.0  I
               -I--------I--------I
           6.   I    12  I     0  I     12
                I 100.0  I   0.0  I    0.2
                I   1.5  I   0.0  I
                I   0.2  I   0.0  I
               -I--------I--------I
         COLUMN     810     4701      5511
          TOTAL    14.7     85.3     100.0
(CONTINUED)
```

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COMBINE NYU AND ORIGINAL CLR STUDY DATA                                    11/27/84        PAGE  132

FILE    FINAL     (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
    RQ63                                                        BY  LOCATION
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                      LOCATION
               COUNT  I
             ROW PCT  INYU        OTHER AR     ROW
             COL PCT  I           L           TOTAL
             TOT PCT  I       1.I       2.I
RQ63         --------I--------I--------I
                  7.  I    10  I     0  I      10
                      I 100.0  I   0.0  I     0.2
                      I   1.2  I   0.0  I
                      I   0.2  I   0.0  I
                     -I--------I--------I
                  9.  I     1  I     0  I       1
                      I 100.0  I   0.0  I     0.0
                      I   0.1  I   0.0  I
                      I   0.0  I   0.0  I
                     -I--------I--------I
              COLUMN      810      4701      5511
               TOTAL     14.7      85.3     100.0

   10 OUT OF     18 ( 55.6%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.147
CHI SQUARE =  4024.97607 WITH   8 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0
CRAMER'S V =     0.85461
CONTINGENCY COEFFICIENT =     0.64968
LAMBDA (ASYMMETRIC) =  0.57143 WITH RQ63     DEPENDENT.          =  0.76049 WITH LOCATION DEPENDENT.
LAMBDA (SYMMETRIC) =  0.67882
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.65696 WITH RQ63     DEPENDENT.           =  0.64513 WITH LOCATION DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.65099
KENDALL'S TAU B =    -0.84898  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.38139  SIGNIFICANCE =  0.0000
GAMMA =    -1.00000
SOMERS'S D (ASYMMETRIC) = -0.76049 WITH RQ63     DEPENDENT.          = -0.94776 WITH LOCATION DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.84386
ETA =  0.63148 WITH RQ63      DEPENDENT.          =  0.85461 WITH LOCATION DEPENDENT.
PEARSON'S R =-0.63148  SIGNIFICANCE =  0.0000
```

Appendix E

CLR User Comparison with ARL Libraries

COMPARISON OF NYU AND ARL MEMBER LIBRARIES

LIKERT SCALED VARIABLES

	STRONGLY AGREE	AGREE	NEITHER AGREE NOR DISAGREE	DISAGREE	STRONGLY DISAGREE
11. SEARCH BY TITLE IS DIFFICULT					
(661)*	**7.9**	**4.1**	**2.1**	**48.6**	**37.4**
(4115)**	2.7	9.8	12.0	40.4	35.0
12. SEARCH BY AUTHOR IS EASY					
(707)	**51.2**	**40.9**	**0.7**	**4.8**	**2.4**
(4157)	34.3	46.9	9.4	6.9	2.5
13. SEARCH BY SUBJECT IS DIFFICULT					
(645)	**26.0**	**14.4**	**2.3**	**36.1**	**21.1**
(4003)	8.6	24.9	15.4	30.5	20.6
14. SEARCH BY CALL NUMBER IS EASY					
(368)	**40.8**	**34.5**	**4.1**	**11.1**	**9.5**
(2348)	30.3	35.7	21.3	8.3	4.5
15. SEARCH BY AUTHOR-TITLE IS DIFFICULT					
(531)	**10.0**	**4.5**	**3.6**	**43.3**	38.6
(3200)	3.0	8.8	17.6	34.9	35.7
16. REMEMBERING COMMANDS IS EASY					
(676)	**49.9**	**33.3**	**3.4**	**11.8**	**1.6**
(4080)	17.3	43.9	18.0	16.7	4.0
17. FINDING CORRECT SUBJECT TERM IS DIFFICULT					
(612)	**33.7**	**15.4**	**3.8**	**35.9**	**11.3**
(3961)	12.3	33.9	19.9	26.6	7.4
18. SCANNING THROUGH A LONG DISPLAY IS EASY					
(679)	**45.9**	**23.0**	**1.8**	**21.5**	**7.8**
(4031)	11.4	39.8	19.6	22.6	6.5

19. INCREASING THE RESULT IS DIFFICULT					
(474)	**46.2**	**16.5**	**7.0**	**24.3**	**6.1**
(1433)	9.6	39.8	26.8	17.8	6.0
20. REDUCING THE RESULT IS EASY					
(434)	**40.1**	**16.1**	**8.5**	**30.6**	**4.6**
(3540)	9.4	33.1	29.3	22.0	6.2
21. UNDERSTANDING SCREEN EXPLANATIONS DIFFICULT					
(738)	**3.8**	**1.5**	**1.2**	**50.8**	**42.7**
(4190)	3.0	9.5	9.9	49.4	28.2
22. USING CODES OR ABBREVIATIONS IS EASY					
(671)	**57.4**	**30.3**	**2.5**	**7.6**	**2.2**
(3983)	17.2	50.4	18.0	11.8	2.6
23. UNDERSTANDING CODES OR ABBREVIATIONS IS EASY					
(701)	**58.9**	**31.4**	**1.9**	**6.8**	**1.0**
(4137)	16.2	53.1	16.1	11.7	2.9
24. LOCATING CALL NUMBERS IS DIFFICULT					
(677)	**6.5**	**2.8**	**1.6**	**57.3**	**31.8**
(4029)	3.4	10.3	11.5	46.7	28.0
25. USING TRUNCATION IS EASY					
(467)	**38.5**	**16.3**	**7.1**	**28.5**	**9.6**
(3485)	10.0	32.6	29.7	21.3	6.4
26. USING BOOLEAN OPERATORS IS DIFFICULT					
(413)	**15.5**	**8.7**	**8.5**	**48.7**	**18.6**
(1829)	6.5	15.5	29.3	30.9	17.8
27. REMEMBERING EXACT SEQUENCE OF COMMANDS IS EASY					
(625)	**59.5**	**22.4**	**3.7**	**12.3**	**2.1**
(3929)	12.0	48.4	20.7	16.4	2.4

28. UNDERSTANDING INITIAL SCREEN INSTRUCTIONS IS DIFFICULT					
(700)	5.6	1.7	1.3	58.9	32.6
(1608)	3.1	7.9	10.3	45.8	32.8
29. UNDERSTANDING SINGLE BOOK DISPLAY IS EASY					
(664)	60.1	29.4	2.3	6.0	2.3
(4022)	22.0	58.2	10.9	7.4	1.6
30. UNDERSTANDING MULTIPLE BOOK DISPLAY IS DIFFICULT					
(631)	9.7	2.9	2.5	62.6	22.3
(3987)	2.0	8.7	15.1	54.3	19.8
31. INTERRUPING-STOPPING THE DISPLAY IS EASY.					
(589)	49.6	24.8	1.9	19.9	3.9
(3618)	14.0	41.5	19.3	18.8	6.4
32. TYPING IN EXACT SPELLING IS DIFFICULT					
(672)	12.9	4.8	3.0	54.3	25.0
(4096)	4.0	17.3	15.5	43.8	19.3
33. KNOWING WHAT IS INCLUDED IS EASY					
(554)	29.4	10.8	7.0	41.5	11.2
(3876)	6.8	28.3	28.0	29.5	7.3
34. ORDER OF DISPLAY IS EASY TO UNDERSTAND					
(661)	64.6	24.4	2.6	7.7	0.8
(4090)	13.4	56.4	17.7	9.8	2.6
35. DISPLAYED MESSAGES ARE TOO LONG					
(610)	8.7	4.6	4.3	65.9	16.6
(4008)	2.3	7.8	23.1	51.8	14.9
36. SELECTING FROM LIST OF CHOICES TAKES TOO MUCH TIME					
(612)	19.1	7.2	3.3	59.3	11.1
(3918)	3.3	15.4	23.3	47.5	10.6

37. ENTERING COMMANDS DURING SEARCH IS DIFFICULT					
(611)	**24.9**	**8.7**	**2.9**	**51.1**	**12.4**
(3761)	5.2	22.0	21.0	41.3	10.6
38. RATE OF RESPONSE IS TOO SLOW					
(672)	**29.0**	**22.9**	**3.0**	**37.5**	**7.6**
(4114)	7.1	16.7	16.7	44.7	14.7
39. AVAILABILITY OF SIGNS AND BROCHURES IS ADEQUATE					
(546)	**50.7**	**13.6**	**6.2**	**25.1**	**4.4**
(3953)	11.5	52.7	15.0	15.3	5.5
40. SIGNS AND BROCHURES ARE NOT VERY USEFULL					
(473)	**19.2**	**4.2**	**7.0**	**59.2**	**10.4**
(3876)	3.5	9.0	18.3	48.8	20.4
41. LIBRARY STAFF ADVICE NOT HELPFUL					
(348)	**11.5**	**8.0**	**8.0**	**50.6**	**21.8**
(3193)	3.8	8.6	24.6	40.4	22.5
42. IT IS HARD TO FIND A FREE TERMINAL					
(593)	**28.8**	**15.2**	**3.4**	**43.5**	**9.1**
(3997)	8.6	18.1	17.5	41.8	13.9

* NYU TOTAL RESPONSES FOR QUESTION

**ARL TOTAL RESPONSES FOR QUESTION. FORMAT OF PLACING TOTAL RESPONSES UNDER QUESTION IS FOLLOWED THROUGHOUT TABLE.

SYSTEM FEATURES EVALUATION

	YES	NO
43A. KEYBOARD IS CONFUSING		
(775)	4.5	95.5
(4156)	9.4	90.6
43B. GLARE ON SCREEN		
(771)	8.7	91.3
(4138)	8.1	91.9
43C. LETTERS EASY TO READ		
(771)	89.4	10.6
(4136)	85.3	14.7
43D. LIGHTING TOO BRIGHT		
(770)	9.5	90.5
(4133)	8.8	91.2
43E. WRITING SPACE OK		
(769)	81.5	18.5
(4133)	62.9	37.1
43F. NOISE DISTRACTING		
(768)	7.4	92.6
(4125)	11.3	88.7
43G. TABLE HEIGHT RIGHT		
(765)	10.7	89.3
(4121)	8.3	91.7

44. ADDITIONAL SYSTEM FEATURES DESIRED

	NYU*	ARL LIBRARIES*
STEP BY STEP INSTRUCTIONS	7.56 (58)	17.63 (725)
SEARCH BY TITLE WORD	17.60 (135)	15.71 (646)
SUBJECT WORD SEARCH	26.20 (201)	23.35 (960)
LIMIT BY DATE OF PUBLICATION	11.60 (89)	13.06 (537)
LIMIT BY LANGUAGE	12.38 (95)	13.91 (572)
JOURNAL TITLE ABBREVIATION	20.59 (158)	24.72 (1016)
CHANGE DISPLAY ORDER	9.12 (70)	10.94 (450)
VIEW RELATED WORDS	40.93 (314)	47.68 (1960)
SEARCH FOR ILLUSTRATIONS AND BIBLIOGRAPHY	20.59 (158)	18.66 (767)
SEARCH BY CALL NUMBER	7.30 (56)	10.41 (428)
PRINT SEARCH RESULTS	38.72 (297)	26.47 (1088)
SEARCH CONTENTS-INDEX	51.23 (393)	44.13 (1814)
KNOW IF BOOK CHECKED OUT	73.14 (561)	24.79 (1019)
LIBRARY LOCATION OF BOOK	29.85 (229)	12.89 (530)
NONE	1.82 (14)	4.86 (200)
TOTAL RESPONDENTS	767	4110

45. COMPUTER CATALOG SERVICE IMPROVEMENTS DESIRED

	NYU*	ARL LIBRARIES*
MORE TERMINALS	56.57 (430)	48.86 (2022)
TERMINALS IN OTHER LOCATION	55.78 (424)	37.38 (1547)
TERMINALS OUTSIDE LIBRARY	40.78 (310)	41.37 (1712)
COMMAND CHART POSTED	17.23 (131)	28.05 (1116)
MANUAL AT TERMINAL	17.2 (131)	18.75 (776)
MANUAL FOR PURCHASE	4.60 (35)	7.41 (307)
TRAINING SESSIONS	7.76 (59)	11.45 (474)
AUDIO-VISUAL TRAINING PROGRAM	7.89 (60)	9.47 (392)
NONE	11.18 (85)	14.98 (620)
TOTAL RESPONDENTS	760	4138

46. ADDITIONAL KINDS OF MATERIALS DESIRED

	NYU*	ARL LIBRARIES*
DISSERTATIONS	36.49 (273)	23.05 (869)
MOTION PICTURE FILMS	21.52	14.06
GOVERNMENT PUBLICATIONS	29.14 (218)	34.22 (1290)
JOURNAL TITLES	59.09 (442)	16.82 (634)
MAPS	11.89 (89)	13.34 (503)
MANUSCRIPTS	8.42 (63)	8.88 (335)
MUSIC SCORES	9.89 (74)	8.19 (309)
NEWSPAPERS	40.64 (304)	31.36 1182
RECORDS OR TAPES	17.11 (128)	18.99 (716)
TECHNICAL REPORTS	13.10 (98)	19.28 (727)
MORE OLDER BOOKS	40.90 (306)	32.36 (1220)
NONE	5.48 (41)	9.55 (360)
OTHER	3.60 (27)	3.02 (114)
TOTAL RESPONDENTS	748	3769

* PERCENTAGES WILL TOTAL MORE THAN 100, BASED ON MULTIPLE CHOICE OPTION QUESTION.

Appendix F

CLR Success and Satisfaction

```
CROSSTABS OF CLR USE DATA WITH SUCCESS VARIABLE RQ5

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * *
   RQ5        IN THIS SEARCH I FOUND                                  BY  RQ6       IN REL
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                       RQ6
             COUNT     I
           ROW PCT     IVERY SAT  SOMEWHAT  SOMEWHAT  VERY UNS    ROW
           COL PCT     IISFACTOR   SATISFA   UNSATIS  ATISFACT    TOTAL
           TOT PCT     I      1  I      2  I      3  I      4  I
RQ5           --------I---------I---------I---------I---------I
                  1   I     96  I     22  I      0  I      0  I    118
  MORE     THAN       I   81.4  I   18.6  I    0.0  I    0.0  I   14.7
                      I   29.7  I    7.2  I    0.0  I    0.0  I
                      I   12.0  I    2.7  I    0.0  I    0.0  I
                     -I---------I---------I---------I---------I
                  2   I    138  I     27  I      2  I      1  I    168
  ALL OR   MOST       I   82.1  I   16.1  I    1.2  I    0.6  I   20.9
                      I   42.7  I    8.8  I    2.8  I    1.0  I
                      I   17.2  I    3.4  I    0.2  I    0.1  I
                     -I---------I---------I---------I---------I
                  3   I     71  I    241  I     53  I      5  I    370
  SOME                I   19.2  I   65.1  I   14.3  I    1.4  I   46.1
                      I   22.0  I   78.8  I   73.6  I    5.0  I
                      I    8.9  I   30.0  I    6.6  I    0.6  I
                     -I---------I---------I---------I---------I
                  4   I     18  I     16  I     17  I     95  I    146
  NOTHING             I   12.3  I   11.0  I   11.6  I   65.1  I   18.2
                      I    5.6  I    5.2  I   23.6  I   94.1  I
                      I    2.2  I    2.0  I    2.1  I   11.8  I
                     -I---------I---------I---------I---------I
            COLUMN         323       306        72       101      802
             TOTAL        40.3      38.2       9.0      12.6    100.0

RAW CHI SQUARE =    749.17529 WITH      9 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0
CRAMER'S V =  0.55801
CONTINGENCY COEFFICIENT =  0.69496
LAMBDA (ASYMMETRIC) =  0.36343 WITH RQ5       DEPENDENT.           =  0.51566 WITH
LAMBDA (SYMMETRIC) =  0.44347
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.32108 WITH RQ5      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.32950
KENDALL'S TAU B =  0.63080.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.57051.    SIGNIFICANCE =  0.0000
GAMMA =  0.82199
SOMERS'S D (ASYMMETRIC) =  0.64026 WITH RQ5       DEPENDENT.          =  0.62148
SOMERS'S D (SYMMETRIC) =  0.63073
ETA =  0.67349 WITH RQ5       DEPENDENT.           =  0.73226 WITH RQ6      DEPEND
PEARSON'S R = 0.66738  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      8
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CROSSTABS OF CLR USE DATA WITH SUCCESS VARIABLE RQ5

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * *
   RQ5       IN THIS SEARCH I FOUND                                   BY  RQ7      CAME AC
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                          RQ7
                 COUNT   I
                 ROW PCT IYES      NO        ROW
                 COL PCT I                  TOTAL
                 TOT PCT I    1  I    2  I
RQ5              --------I-------I-------I
                      1  I   93  I   25  I   118
  MORE    THAN           I  78.8 I  21.2 I  14.7
                         I  25.3 I   5.7 I
                         I  11.6 I   3.1 I
                        -I-------I-------I
                      2  I   73  I   95  I   168
  ALL OR  MOST           I  43.5 I  56.5 I  20.9
                         I  19.8 I  21.8 I
                         I   9.1 I  11.8 I
                        -I-------I-------I
                      3  I  173  I  196  I   369
  SOME                   I  46.9 I  53.1 I  46.0
                         I  47.0 I  45.1 I
                         I  21.5 I  24.4 I
                        -I-------I-------I
                      4  I   29  I  119  I   148
  NOTHING                I  19.6 I  80.4 I  18.4
                         I   7.9 I  27.4 I
                         I   3.6 I  14.8 I
                        -I-------I-------I
                COLUMN      368     435      803
                 TOTAL      45.8    54.2    100.0

RAW CHI SQUARE =     93.28984 WITH      3 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0
CRAMER'S V =  0.34085
CONTINGENCY COEFFICIENT =  0.32262
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ5       DEPENDENT.          =  0.18478 WITH
LAMBDA (SYMMETRIC) =  0.08479
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.04831 WITH RQ5       DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.06276
KENDALL'S TAU B =  0.26486.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.30994.    SIGNIFICANCE =  0.0000
GAMMA =  0.44035
SOMERS'S D (ASYMMETRIC) =  0.31211 WITH RQ5       DEPENDENT.          =  0.22476
SOMERS'S D (SYMMETRIC) =  0.26133
ETA =  0.30027 WITH RQ5       DEPENDENT.          =  0.34085 WITH RQ7       DEPEND
PEARSON'S R = 0.30027  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     7
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CROSSTABS OF CLR USE DATA WITH SUCCESS VARIABLE RQ5

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ5      IN THIS SEARCH I FOUND
BY RQUEST8  (TABULATING      1) I GOT HELP FROM:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE    1 OF    1

                         RQUEST8

                  COUNT  IPRINTED  TERMINAL LIBRARY  PERSON N I DID NO
                  ROW PCT IMATTER-S  SCREEN STAFF ME EARBY     T GET HE     ROW
                  COL PCT IIGNS     INST     MBER              LP          TOTAL
                  TAB PCT IRQ8A    IRQ8B    IRQ8C    IRQ8D    IRQ8E    I
RQ5               --------I--------I--------I--------I--------I--------I
                        1 I    27  I    82  I     6  I     5  I    30  I    117
  MORE    THAN            I  23.1  I  70.1  I   5.1  I   4.3  I  25.6  I   14.6
                          I  20.3  I  15.3  I  15.0  I  18.5  I  11.9  I
                          I   3.4  I  10.2  I   0.7  I   0.6  I   3.7  I
                          I--------I--------I--------I--------I--------I
                        2 I    22  I    97  I     6  I     2  I    67  I    168
  ALL OR  MOST            I  13.1  I  57.7  I   3.6  I   1.2  I  39.9  I   20.9
                          I  16.5  I  19.2  I  15.0  I   7.4  I  26.5  I
                          I   2.7  I  12.1  I   0.7  I   0.2  I   8.3  I
                          I--------I--------I--------I--------I--------I
                        3 I    67  I   246  I    24  I    17  I    93  I    370
  SOME                    I  18.1  I  66.5  I   6.5  I   4.6  I  25.1  I   46.1
                          I  50.4  I  48.8  I  60.0  I  63.0  I  36.8  I
                          I   8.3  I  30.6  I   3.0  I   2.1  I  11.6  I
                          I--------I--------I--------I--------I--------I
                        4 I    17  I    79  I     4  I     3  I    63  I    148
  NOTHING                 I  11.5  I  53.4  I   2.7  I   2.0  I  42.6  I   18.4
                          I  12.8  I  15.7  I  10.0  I  11.1  I  24.9  I
                          I   2.1  I   9.8  I   0.5  I   0.4  I   7.8  I
                          I--------I--------I--------I--------I--------I
                   COLUMN     133      504       40       27      253        803
                    TOTAL    16.6     62.8      5.0      3.4     31.5      100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

    803 VALID CASES            7 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH SUCCESS VARIABLE RQ5

FILE    FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * *
   RQ5         IN THIS SEARCH I FOUND                                   BY  RQ9        GENERAL
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *


                          RQ9
              COUNT    I
            ROW PCT    IVERY FAV SOMEWHAT  SOMEWHAT  VERY          ROW
            COL PCT    IORABLE    FAVORAB   UNFAVOR  UNFAVORA     TOTAL
            TOT PCT    I     1   I     2   I     3   I     4   I
RQ5         --------   I---------I---------I---------I---------I
                   1   I   101   I    16   I     1   I     0   I    118
  MORE     THAN        I  85.6   I  13.6   I   0.8   I   0.0   I   14.7
                       I  20.1   I   6.6   I   2.4   I   0.0   I
                       I  12.6   I   2.0   I   0.1   I   0.0   I
                      -I---------I---------I---------I---------I
                   2   I   128   I    36   I     3   I     1   I    168
  ALL  OR  MOST        I  76.2   I  21.4   I   1.8   I   0.6   I   20.9
                       I  25.4   I  14.8   I   7.1   I   6.7   I
                       I  15.9   I   4.5   I   0.4   I   0.1   I
                      -I---------I---------I---------I---------I
                   3   I   214   I   135   I    18   I     2   I    369
  SOME                 I  58.0   I  36.6   I   4.9   I   0.5   I   45.9
                       I  42.5   I  55.3   I  42.9   I  13.3   I
                       I  26.6   I  16.8   I   2.2   I   0.2   I
                      -I---------I---------I---------I---------I
                   4   I    60   I    57   I    20   I    12   I    149
  NOTHING              I  40.3   I  38.3   I  13.4   I   8.1   I   18.5
                       I  11.9   I  23.4   I  47.6   I  80.0   I
                       I   7.5   I   7.1   I   2.5   I   1.5   I
                      -I---------I---------I---------I---------I
             COLUMN        503       244        42        15        804
              TOTAL       62.6      30.3       5.2       1.9      100.0

     3 OUT OF     16 ( 18.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS
MINIMUM EXPECTED CELL FREQUENCY =   2.201
RAW CHI SQUARE =     116.31035 WITH       9 DEGREES OF FREEDOM.   SIGNIFICANCE =  0.0
CRAMER'S V =  0.21959
CONTINGENCY COEFFICIENT =  0.35550
LAMBDA (ASYMMETRIC) =  0.02759 WITH RQ5        DEPENDENT.            =  0.0     WITH
LAMBDA (SYMMETRIC) =  0.01630
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.05231 WITH RQ5        DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.06186
KENDALL'S TAU B =  0.29642.     SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.23520.     SIGNIFICANCE =  0.0000
GAMMA =  0.49308
SOMERS'S D (ASYMMETRIC) =  0.34359 WITH RQ5       DEPENDENT.            =  0.25573
SOMERS'S D (SYMMETRIC) =  0.29322
ETA =  0.33184 WITH RQ5       DEPENDENT.           =  0.34833 WITH RQ9      DEPEND
PEARSON'S R = 0.33095  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      6
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CROSSTABS OF CLR USE DATA WITH SUCCESS VARIABLE RQ5

FILE    FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * *
   RQ5       IN THIS SEARCH I FOUND                               BY  RQ10      COMPUTE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                     RQ10
             COUNT  I
           ROW PCT  IBETTER    EQUAL      WORSE       ROW
           COL PCT  I                                 TOTAL
           TOT PCT  I      1  I      2  I      3  I
RQ5        --------I--------I--------I--------I
                 1  I     99  I     15  I      3  I    117
 MORE   THAN        I   84.6  I   12.8  I    2.6  I   15.7
                    I   18.7  I   12.8  I    3.1  I
                    I   13.3  I    2.0  I    0.4  I
                   -I--------I--------I--------I
                 2  I    127  I     22  I      9  I    158
 ALL OR  MOST       I   80.4  I   13.9  I    5.7  I   21.2
                    I   24.0  I   18.8  I    9.2  I
                    I   17.1  I    3.0  I    1.2  I
                   -I--------I--------I--------I
                 3  I    230  I     57  I     46  I    333
 SOME               I   69.1  I   17.1  I   13.8  I   44.8
                    I   43.5  I   48.7  I   46.9  I
                    I   30.9  I    7.7  I    6.2  I
                   -I--------I--------I--------I
                 4  I     73  I     23  I     40  I    136
 NOTHING            I   53.7  I   16.9  I   29.4  I   18.3
                    I   13.8  I   19.7  I   40.8  I
                    I    9.8  I    3.1  I    5.4  I
                   -I--------I--------I--------I
            COLUMN      529       117        98       744
             TOTAL     71.1      15.7      13.2     100.0

RAW CHI SQUARE =     56.43782 WITH     6 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.00
CRAMER'S V =  0.19475
CONTINGENCY COEFFICIENT =  0.26553
LAMBDA (ASYMMETRIC) =  0.0     WITH RQ5      DEPENDENT.          =  0.0    WITH
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02941 WITH RQ5     DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03630
KENDALL'S TAU B =  0.21845.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.18392.    SIGNIFICANCE =  0.0000
GAMMA =  0.38825
SOMERS'S D (ASYMMETRIC) =  0.27105 WITH RQ5     DEPENDENT.          =  0.17606
SOMERS'S D (SYMMETRIC) =  0.21347
ETA =  0.25991 WITH RQ5     DEPENDENT.        =  0.26698 WITH RQ10     DEPEND
PEARSON'S R = 0.25522  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     66
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CROSSTABS OF CLR USE DATA WITH RQ6                                          11/02/84

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * *
   RQ6        IN REL TO WHAT I WAS LOOKING FOR SEARCH         BY  RQ5         IN THIS
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                         RQ5
                 COUNT  I
                 ROW PCT IMORE    T ALL OR   SOME      NOTHING       ROW
                 COL PCT IHAN       MOST                             TOTAL
                 TOT PCT I    1   I     2   I     3   I     4   I
RQ6             --------I--------I--------I--------I--------I
                      1 I    96  I   138  I    71  I    18  I    323
   VERY SATISFACTOR I  29.7  I  42.7  I  22.0  I   5.6  I   40.3
                        I  81.4  I  82.1  I  19.2  I  12.3  I
                        I  12.0  I  17.2  I   8.9  I   2.2  I
                       -I--------I--------I--------I--------I
                      2 I    22  I    27  I   241  I    16  I    306
   SOMEWHAT SATISFA I   7.2  I   8.8  I  78.8  I   5.2  I   38.2
                        I  18.6  I  16.1  I  65.1  I  11.0  I
                        I   2.7  I   3.4  I  30.0  I   2.0  I
                       -I--------I--------I--------I--------I
                      3 I     0  I     2  I    53  I    17  I     72
   SOMEWHAT UNSATIS I   0.0  I   2.8  I  73.6  I  23.6  I    9.0
                        I   0.0  I   1.2  I  14.3  I  11.6  I
                        I   0.0  I   0.2  I   6.6  I   2.1  I
                       -I--------I--------I--------I--------I
                      4 I     0  I     1  I     5  I    95  I    101
   VERY UNSATISFACT I   0.0  I   1.0  I   5.0  I  94.1  I   12.6
                        I   0.0  I   0.6  I   1.4  I  65.1  I
                        I   0.0  I   0.1  I   0.6  I  11.8  I
                       -I--------I--------I--------I--------I
                 COLUMN     118       168       370       146       802
                  TOTAL    14.7      20.9      46.1      18.2     100.0

RAW CHI SQUARE =    749.17505 WITH     9 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0
CRAMER'S V =  0.55801
CONTINGENCY COEFFICIENT =  0.69496
LAMBDA (ASYMMETRIC) =  0.51566 WITH RQ6       DEPENDENT.           =  0.36343 WITH
LAMBDA (SYMMETRIC) =  0.44347
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.33836 WITH RQ6       DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.32950
KENDALL'S TAU B =  0.63080.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.57051.    SIGNIFICANCE =  0.0000
GAMMA =  0.82199
SOMERS'S D (ASYMMETRIC) =  0.62148 WITH RQ6       DEPENDENT.           =  0.64026 W
SOMERS'S D (SYMMETRIC) =  0.63073
ETA =  0.73226 WITH RQ6      DEPENDENT.           =  0.67349 WITH RQ5      DEPENDE
PEARSON'S R = 0.66738  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      8
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CROSSTABS OF CLR USE DATA WITH RQ6                                         11/02/84

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * *
   RQ6       IN REL TO WHAT I WAS LOOKING FOR SEARCH       BY  RQ7         CAME ACR
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                  RQ7
          COUNT   I
        ROW PCT   IYES        NO          ROW
        COL PCT   I                       TOTAL
        TOT PCT   I       1  I       2  I
RQ6               --------I---------I---------I
                1 I     177  I     147  I    324
  VERY SATISFACTOR I    54.6  I    45.4  I   40.3
                  I    47.8  I    33.9  I
                  I    22.0  I    18.3  I
                 -I---------I---------I
                2 I     149  I     157  I    306
  SOMEWHAT SATISFA I    48.7  I    51.3  I   38.1
                  I    40.3  I    36.2  I
                  I    18.5  I    19.5  I
                 -I---------I---------I
                3 I      25  I      48  I     73
  SOMEWHAT UNSATIS I    34.2  I    65.8  I    9.1
                  I     6.8  I    11.1  I
                  I     3.1  I     6.0  I
                 -I---------I---------I
                4 I      19  I      82  I    101
  VERY UNSATISFACT I    18.8  I    81.2  I   12.6
                  I     5.1  I    18.9  I
                  I     2.4  I    10.2  I
                 -I---------I---------I
          COLUMN        370        434        804
           TOTAL       46.0       54.0      100.0

RAW CHI SQUARE =    44.71933 WITH     3 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.00
CRAMER'S V =  0.23584
CONTINGENCY COEFFICIENT =  0.22954
LAMBDA (ASYMMETRIC) =  0.02083 WITH RQ6       DEPENDENT.            =  0.08108 WITH
LAMBDA (SYMMETRIC) =  0.04706
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.02442 WITH RQ6      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03113
KENDALL'S TAU B =  0.19339.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.22294.    SIGNIFICANCE =  0.0000
GAMMA =  0.33233
SOMERS'S D (ASYMMETRIC) =  0.22436 WITH RQ6      DEPENDENT.          =  0.16669 W
SOMERS'S D (SYMMETRIC) =  0.19127
ETA =  0.22907 WITH RQ6      DEPENDENT.          =  0.23584 WITH RQ7      DEPENDE
PEARSON'S R = 0.22907  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     6
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CROSSTABS OF CLR USE DATA WITH RQ6                                  11/02/84

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ6       IN REL TO WHAT I WAS LOOKING FOR SEARCH
BY RQUEST8  (TABULATING      1) I GOT HELP FROM:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                     RQUEST8

              COUNT  IPRINTED  TERMINAL LIBRARY  PERSON N I DID NO
            ROW PCT  IMATTER-S  SCREEN  STAFF ME EARBY    T GET HE    ROW
            COL PCT  IIGNS     INST     MBER              LP          TOTAL
            TAB PCT  IRQ8A    IRQ8B    IRQ8C    IRQ8D    IRQ8E    I
RQ6         --------I--------I--------I--------I--------I--------I
                  1  I    62  I   212  I    13  I     7  I   106  I   324
  VERY SATISFACTORY  I  19.1  I  65.4  I   4.0  I   2.2  I  32.7  I  40.3
                     I  45.9  I  42.0  I  33.3  I  25.9  I  42.1  I
                     I   7.7  I  26.4  I   1.6  I   0.9  I  13.2  I
                     I--------I--------I--------I--------I--------I
                  2  I    49  I   192  I    22  I    16  I    82  I   307
  SOMEWHAT SATISFACTOR I 16.0 I  62.5  I   7.2  I   5.2  I  26.7  I  38.2
                     I  36.3  I  38.0  I  56.4  I  59.3  I  32.5  I
                     I   6.1  I  23.9  I   2.7  I   2.0  I  10.2  I
                     I--------I--------I--------I--------I--------I
                  3  I    10  I    44  I     2  I     2  I    25  I    72
  SOMEWHAT UNSATISFACT I 13.9 I  61.1  I   2.8  I   2.8  I  34.7  I   9.0
                     I   7.4  I   8.7  I   5.1  I   7.4  I   9.9  I
                     I   1.2  I   5.5  I   0.2  I   0.2  I   3.1  I
                     I--------I--------I--------I--------I--------I
                  4  I    14  I    57  I     2  I     2  I    39  I   101
  VERY UNSATISFACTORY I  13.9 I  56.4  I   2.0  I   2.0  I  38.6  I  12.6
                     I  10.4  I  11.3  I   5.1  I   7.4  I  15.5  I
                     I   1.7  I   7.1  I   0.2  I   0.2  I   4.9  I
                     I--------I--------I--------I--------I--------I
             COLUMN      135      505       39       27      252       804
              TOTAL     16.8     62.8      4.9      3.4     31.3     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

    804 VALID CASES              6 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH RQ6                                        11/02/84

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * *
   RQ6        IN REL TO WHAT I WAS LOOKING FOR SEARCH        BY  RQ9          GENERAL
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

                         RQ9
                COUNT   I
                ROW PCT IVERY FAV SOMEWHAT SOMEWHAT VERY         ROW
                COL PCT IORABLE    FAVORAB  UNFAVOR UNFAVORA   TOTAL
                TOT PCT I      1  I     2  I     3  I     4  I
RQ6             --------I---------I--------I--------I--------I
                      1 I   278   I    45  I     2  I     0  I   325
   VERY SATISFACTOR I   85.5   I   13.8  I   0.6  I   0.0  I  40.4
                        I   55.0   I   18.5  I   4.8  I   0.0  I
                        I   34.5   I    5.6  I   0.2  I   0.0  I
                       -I---------I--------I--------I--------I
                      2 I   168   I   126  I    11  I     1  I   306
   SOMEWHAT SATISFA I   54.9   I   41.2  I   3.6  I   0.3  I  38.0
                        I   33.3   I   51.9  I  26.2  I   6.7  I
                        I   20.9   I   15.7  I   1.4  I   0.1  I
                       -I---------I--------I--------I--------I
                      3 I    25   I    37  I    10  I     1  I    73
   SOMEWHAT UNSATIS I   34.2   I   50.7  I  13.7  I   1.4  I   9.1
                        I    5.0   I   15.2  I  23.8  I   6.7  I
                        I    3.1   I    4.6  I   1.2  I   0.1  I
                       -I---------I--------I--------I--------I
                      4 I    34   I    35  I    19  I    13  I   101
   VERY UNSATISFACT I   33.7   I   34.7  I  18.8  I  12.9  I  12.5
                        I    6.7   I   14.4  I  45.2  I  86.7  I
                        I    4.2   I    4.3  I   2.4  I   1.6  I
                       -I---------I--------I--------I--------I
                COLUMN      505       243       42       15      805
                 TOTAL     62.7      30.2      5.2      1.9    100.0

     3 OUT OF    16 ( 18.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS
MINIMUM EXPECTED CELL FREQUENCY =  1.360
RAW CHI SQUARE =   241.08961 WITH      9 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0
CRAMER'S V =  0.31596
CONTINGENCY COEFFICIENT =  0.48007
LAMBDA (ASYMMETRIC) =  0.23125 WITH RQ6       DEPENDENT.            =  0.04333 WITH
LAMBDA (SYMMETRIC) =  0.15897
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.10689 WITH RQ6       DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.12371
KENDALL'S TAU B =  0.41444.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.32338.    SIGNIFICANCE =  0.0000
GAMMA =  0.63964
SOMERS'S D (ASYMMETRIC) =  0.47345 WITH RQ6       DEPENDENT.            =  0.36278 W
SOMERS'S D (SYMMETRIC) =  0.41079
ETA =  0.47397 WITH RQ6       DEPENDENT.         =  0.47247 WITH RQ9       DEPENDE
PEARSON'S R = 0.47213  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      5
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CROSSTABS OF CLR USE DATA WITH RQ6                                                    11/02/84

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * *
   RQ6       IN REL TO WHAT I WAS LOOKING FOR SEARCH        BY  RQ10        COMPUTER
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *


                          RQ10
                 COUNT   I
                ROW PCT  IBETTER    EQUAL     WORSE       ROW
                COL PCT  I                                TOTAL
                TOT PCT  I     1   I     2   I     3   I
RQ6             -------- I---------I---------I---------I
                      1  I   265   I    37   I     8   I   310
   VERY SATISFACTOR      I  85.5   I  11.9   I   2.6   I   41.7
                         I  49.9   I  32.2   I   8.2   I
                         I  35.6   I   5.0   I   1.1   I
                        -I---------I---------I---------I
                      2  I   197   I    52   I    32   I   281
   SOMEWHAT SATISFA      I  70.1   I  18.5   I  11.4   I   37.8
                         I  37.1   I  45.2   I  32.7   I
                         I  26.5   I   7.0   I   4.3   I
                        -I---------I---------I---------I
                      3  I    29   I    15   I    18   I    62
   SOMEWHAT UNSATIS      I  46.8   I  24.2   I  29.0   I    8.3
                         I   5.5   I  13.0   I  18.4   I
                         I   3.9   I   2.0   I   2.4   I
                        -I---------I---------I---------I
                      4  I    40   I    11   I    40   I    91
   VERY UNSATISFACT      I  44.0   I  12.1   I  44.0   I   12.2
                         I   7.5   I   9.6   I  40.8   I
                         I   5.4   I   1.5   I   5.4   I
                        -I---------I---------I---------I
                 COLUMN      531       115        98       744
                  TOTAL     71.4      15.5      13.2     100.0

RAW CHI SQUARE =    135.84790 WITH      6 DEGREES OF FREEDOM.   SIGNIFICANCE =   0.00
CRAMER'S V =  0.30215
CONTINGENCY COEFFICIENT =  0.39294
LAMBDA (ASYMMETRIC) =  0.10829 WITH RQ6      DEPENDENT.              =  0.0    WITH
LAMBDA (SYMMETRIC) =  0.07264
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.06874 WITH RQ6      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.08254
KENDALL'S TAU B =  0.32300.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.26423.    SIGNIFICANCE =  0.0000
GAMMA =  0.54030
SOMERS'S D (ASYMMETRIC) =  0.39199 WITH RQ6      DEPENDENT.          =  0.26616 W
SOMERS'S D (SYMMETRIC) =  0.31704
ETA =  0.40982 WITH RQ6      DEPENDENT.          =  0.39860 WITH RQ10     DEPEND
PEARSON'S R = 0.39567  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =    66
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                   11/02/84        PAGE    6

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * * *
    RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS     . BY  RQ6        IN REL TO WHAT I WAS LOOKING FOR SEARCH
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                       RQ6
               COUNT  I
              ROW PCT IVERY SAT SOMEWHAT SOMEWHAT VERY UNS    ROW
              COL PCT IISFACTOR  SATISFA  UNSATIS ATISFACT   TOTAL
              TOT PCT I     1  I     2  I     3  I     4  I
RQ9           --------I--------I--------I--------I--------I
                    1 I   278  I   168  I    25  I    34  I    505
  VERY FAVORABLE      I  55.0  I  33.3  I   5.0  I   6.7  I   62.7
                      I  85.5  I  54.9  I  34.2  I  33.7  I
                      I  34.5  I  20.9  I   3.1  I   4.2  I
                     -I--------I--------I--------I--------I
                    2 I    45  I   126  I    37  I    35  I    243
  SOMEWHAT FAVORAB    I  18.5  I  51.9  I  15.2  I  14.4  I   30.2
                      I  13.8  I  41.2  I  50.7  I  34.7  I
                      I   5.6  I  15.7  I   4.6  I   4.3  I
                     -I--------I--------I--------I--------I
                    3 I     2  I    11  I    10  I    19  I     42
  SOMEWHAT UNFAVOR    I   4.8  I  26.2  I  23.8  I  45.2  I    5.2
                      I   0.6  I   3.6  I  13.7  I  18.8  I
                      I   0.2  I   1.4  I   1.2  I   2.4  I
                     -I--------I--------I--------I--------I
                    4 I     0  I     1  I     1  I    13  I     15
  VERY     UNFAVORA   I   0.0  I   6.7  I   6.7  I  86.7  I    1.9
                      I   0.0  I   0.3  I   1.4  I  12.9  I
                      I   0.0  I   0.1  I   0.1  I   1.6  I
                     -I--------I--------I--------I--------I
               COLUMN     325      306       73      101      805
                TOTAL    40.4     38.0      9.1     12.5    100.0

     3 OUT OF     16 ( 18.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =   1.360
RAW CHI SQUARE =   241.08961 WITH      9 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0
CRAMER'S V =  0.31596
CONTINGENCY COEFFICIENT =  0.48007
LAMBDA (ASYMMETRIC) =  0.04333 WITH RQ9       DEPENDENT.            =  0.23125 WITH RQ6      DEPENDENT.
LAMBDA (SYMMETRIC) =  0.15897
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.14681 WITH RQ9      DEPENDENT.             =  0.10689 WITH RQ6      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.12371
KENDALL'S TAU B =  0.41444.     SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.32338.     SIGNIFICANCE =  0.0000
GAMMA =  0.63964
SOMERS'S D (ASYMMETRIC) =  0.36278 WITH RQ9       DEPENDENT.            =  0.47345 WITH RQ6      DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.41079
ETA =  0.47247 WITH RQ9       DEPENDENT.            =  0.47397 WITH RQ6      DEPENDENT.
PEARSON'S R = 0.47213  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      5
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                           11/02/84        PAGE    7

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS        BY  RQ5        IN THIS SEARCH I FOUND
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       RQ5
               COUNT  I
              ROW PCT IMORE    T ALL OR   SOME      NOTHING     ROW
              COL PCT ITHAN      MOST                           TOTAL
              TOT PCT I      1  I      2  I      3  I      4  I
RQ9           --------I---------I---------I---------I---------I
                    1 I   101   I   128   I   214   I    60   I   503
   VERY FAVORABLE     I  20.1   I  25.4   I  42.5   I  11.9   I  62.6
                      I  85.6   I  76.2   I  58.0   I  40.3   I
                      I  12.6   I  15.9   I  26.6   I   7.5   I
                     -I---------I---------I---------I---------I
                    2 I    16   I    36   I   135   I    57   I   244
   SOMEWHAT FAVORAB   I   6.6   I  14.8   I  55.3   I  23.4   I  30.3
                      I  13.6   I  21.4   I  36.6   I  38.3   I
                      I   2.0   I   4.5   I  16.8   I   7.1   I
                     -I---------I---------I---------I---------I
                    3 I     1   I     3   I    18   I    20   I    42
   SOMEWHAT UNFAVOR   I   2.4   I   7.1   I  42.9   I  47.6   I   5.2
                      I   0.8   I   1.8   I   4.9   I  13.4   I
                      I   0.1   I   0.4   I   2.2   I   2.5   I
                     -I---------I---------I---------I---------I
                    4 I     0   I     1   I     2   I    12   I    15
   VERY     UNFAVORA  I   0.0   I   6.7   I  13.3   I  80.0   I   1.9
                      I   0.0   I   0.6   I   0.5   I   8.1   I
                      I   0.0   I   0.1   I   0.2   I   1.5   I
                     -I---------I---------I---------I---------I
               COLUMN     118       168       369       149       804
                TOTAL    14.7      20.9      45.9      18.5     100.0

    3 OUT OF    16 ( 18.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  2.201
RAW CHI SQUARE =   116.31035 WITH      9 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
CRAMER'S V =  0.21959
CONTINGENCY COEFFICIENT =  0.35550
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ9       DEPENDENT.            =  0.02759 WITH RQ5      DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01630
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.07568 WITH RQ9      DEPENDENT.           =  0.05231 WITH RQ5      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.06186
KENDALL'S TAU B =  0.29642.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.23520.    SIGNIFICANCE =  0.0000
GAMMA =  0.49308
SOMERS'S D (ASYMMETRIC) =  0.25573 WITH RQ9       DEPENDENT.           =  0.34359 WITH RQ5      DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.29322
ETA =  0.34833 WITH RQ9       DEPENDENT.          =  0.33184 WITH RQ5      DEPENDENT.
PEARSON'S R = 0.33095  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      6
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                    11/02/84        PAGE    9

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ9        GENERAL ATTITUDE TOWARD COMPUTER CAT IS        BY  RQ7        CAME ACROSS OTHER THINGS OF INTEREST
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                      RQ7
             COUNT   I
           ROW PCT   IYES       NO           ROW
           COL PCT   I                       TOTAL
           TOT PCT   I     1   I     2   I
RQ9        --------  I---------I---------I
                 1   I   267   I   238   I   505
  VERY FAVORABLE     I  52.9   I  47.1   I  62.6
                     I  71.8   I  54.7   I
                     I  33.1   I  29.5   I
                    -I---------I---------I
                 2   I    97   I   148   I   245
  SOMEWHAT FAVORAB   I  39.6   I  60.4   I  30.4
                     I  26.1   I  34.0   I
                     I  12.0   I  18.3   I
                    -I---------I---------I
                 3   I     8   I    34   I    42
  SOMEWHAT UNFAVOR   I  19.0   I  81.0   I   5.2
                     I   2.2   I   7.8   I
                     I   1.0   I   4.2   I
                    -I---------I---------I
                 4   I     0   I    15   I    15
  VERY     UNFAVORA  I   0.0   I 100.0   I   1.9
                     I   0.0   I   3.4   I
                     I   0.0   I   1.9   I
                    -I---------I---------I
            COLUMN        372       435       807
             TOTAL       46.1      53.9     100.0

RAW CHI SQUARE =     38.69443 WITH      3 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
CRAMER'S V =  0.21897
CONTINGENCY COEFFICIENT =  0.21390
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ9      DEPENDENT.            =  0.07796 WITH RQ7      DEPENDENT.
LAMBDA (SYMMETRIC) =  0.04303
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.03196 WITH RQ9      DEPENDENT.          =  0.04090 WITH RQ7      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03588
KENDALL'S TAU B =  0.19033.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.19223.    SIGNIFICANCE =  0.0000
GAMMA =  0.37417
SOMERS'S D (ASYMMETRIC) =  0.19341 WITH RQ9      DEPENDENT.          =  0.18730 WITH RQ7      DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.19030
ETA =  0.21672 WITH RQ9      DEPENDENT.          =  0.21897 WITH RQ7      DEPENDENT.
PEARSON'S R = 0.21672  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      3
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                          11/02/84        PAGE

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST1   (TABULATING      1) I CAME TO THE SEARCH WITH:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                        RQUEST1

                COUNT   ICOMPLETE PART AUT COMPLETE PART TIT TOPIC WO SUBJECT  COMPLETE PART CAL
               ROW PCT I AUTHOR  HOR'S NA  TITLE    LE       RD OR WO HEADING   CALL NU L NUMBER   ROW
               COL PCT I         ME                          RDS               MBER                TOTAL
               TAB PCT IRQ1A    IRQ1B    IRQ1C    IRQ1D    IRQ1E    IRQ1F    IRQ1G    IRQ1H    I
RQ9            --------I--------I--------I--------I--------I--------I--------I--------I--------I
                     1 I   266  I    70  I   210  I    64  I   142  I   244  I     7  I     3  I   506
  VERY FAVORABLE       I  52.6  I  13.8  I  41.5  I  12.6  I  28.1  I  48.2  I   1.4  I   0.6  I  62.5
                       I  60.2  I  63.1  I  62.1  I  70.3  I  65.1  I  65.2  I  38.9  I  50.0  I
                       I  32.9  I   8.7  I  26.0  I   7.9  I  17.6  I  30.2  I   0.9  I   0.4  I
                       I--------I--------I--------I--------I--------I--------I--------I--------I
                     2 I   139  I    34  I   100  I    23  I    60  I   109  I    10  I     2  I   246
  SOMEWHAT FAVORABLE   I  56.5  I  13.8  I  40.7  I   9.3  I  24.4  I  44.3  I   4.1  I   0.8  I  30.4
                       I  31.4  I  30.6  I  29.6  I  25.3  I  27.5  I  29.1  I  55.6  I  33.3  I
                       I  17.2  I   4.2  I  12.4  I   2.8  I   7.4  I  13.5  I   1.2  I   0.2  I
                       I--------I--------I--------I--------I--------I--------I--------I--------I
                     3 I    27  I     6  I    21  I     2  I    10  I    16  I     1  I     1  I    42
  SOMEWHAT UNFAVORABLE I  64.3  I  14.3  I  50.0  I   4.8  I  23.8  I  38.1  I   2.4  I   2.4  I   5.2
                       I   6.1  I   5.4  I   6.2  I   2.2  I   4.6  I   4.3  I   5.6  I  16.7  I
                       I   3.3  I   0.7  I   2.6  I   0.2  I   1.2  I   2.0  I   0.1  I   0.1  I
                       I--------I--------I--------I--------I--------I--------I--------I--------I
                     4 I    10  I     1  I     7  I     2  I     6  I     5  I     0  I     0  I    15
  VERY    UNFAVORABLE  I  66.7  I   6.7  I  46.7  I  13.3  I  40.0  I  33.3  I   0.0  I   0.0  I   1.9
                       I   2.3  I   0.9  I   2.1  I   2.2  I   2.8  I   1.3  I   0.0  I   0.0  I
                       I   1.2  I   0.1  I   0.9  I   0.2  I   0.7  I   0.6  I   0.0  I   0.0  I
                       I--------I--------I--------I--------I--------I--------I--------I--------I
                COLUMN     442      111      338       91      218      374       18        6      809
                 TOTAL    54.6     13.7     41.8     11.2     26.9     46.2      2.2      0.7    100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   809 VALID CASES          1 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                          11/02/84          PAGE

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST2  (TABULATING      1) IN THIS SEARCH I WAS TRYING TO FIND:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                     RQUEST2

               COUNT  ISPECIFIC BOOKS ON BOOKS BY PUB-DATE IF BOOK  OTHER LI
             ROW PCT  I BOOK ET  TOPIC    SPEC AU -SPELLIN IS AVAIL BRARY W     ROW
             COL PCT  IC                  THOR     G        ABLE     BOOK       TOTAL
             TAB PCT  IRQ2A    IRQ2B    IRQ2C    IRQ2D    IRQ2E    IRQ2F    I
RQ9           --------I--------I--------I--------I--------I--------I--------I
                   1  I   269  I   269  I   146  I    18  I    44  I    13  I    505
  VERY FAVORABLE      I  53.3  I  53.3  I  28.9  I   3.6  I   8.7  I   2.6  I   62.7
                      I  63.1  I  63.0  I  60.3  I  72.0  I  55.0  I  81.3  I
                      I  33.4  I  33.4  I  18.1  I   2.2  I   5.5  I   1.6  I
                      I--------I--------I--------I--------I--------I--------I
                   2  I   126  I   130  I    84  I     6  I    29  I     2  I    244
  SOMEWHAT FAVORABLE  I  51.6  I  53.3  I  34.4  I   2.5  I  11.9  I   0.8  I   30.3
                      I  29.6  I  30.4  I  34.7  I  24.0  I  36.3  I  12.5  I
                      I  15.7  I  16.1  I  10.4  I   0.7  I   3.6  I   0.2  I
                      I--------I--------I--------I--------I--------I--------I
                   3  I    25  I    19  I     7  I     1  I     4  I     1  I     41
  SOMEWHAT UNFAVORABLE I  61.0  I  46.3  I  17.1  I   2.4  I   9.8  I   2.4  I    5.1
                      I   5.9  I   4.4  I   2.9  I   4.0  I   5.0  I   6.3  I
                      I   3.1  I   2.4  I   0.9  I   0.1  I   0.5  I   0.1  I
                      I--------I--------I--------I--------I--------I--------I
                   4  I     6  I     9  I     5  I     0  I     3  I     0  I     15
  VERY    UNFAVORABLE I  40.0  I  60.0  I  33.3  I   0.0  I  20.0  I   0.0  I    1.9
                      I   1.4  I   2.1  I   2.1  I   0.0  I   3.8  I   0.0  I
                      I   0.7  I   1.1  I   0.6  I   0.0  I   0.4  I   0.0  I
                      I--------I--------I--------I--------I--------I--------I
              COLUMN      426      427      242       25       80       16       805
               TOTAL     52.9     53.0     30.1      3.1      9.9      2.0     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   805 VALID CASES            5 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                   11/02/84        PAGE    4

FILE    FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQ9      GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST3  (TABULATING      1) I SEARCHED FOR WHAT I WANTED BY:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                    RQUEST3

                COUNT  ICOMPLETE PART AUT COMPLETE PART TIT TOPIC WO SUBJECT  COMPLETE PART CAL
                ROW PCT I AUTHOR  HOR'S NA  TITLE    LE       RD OR WO HEADINGS  CALL NU L NUMBER     ROW
                COL PCT I         ME                          RDS               MBER                  TOTAL
                TAB PCT IRQ3A     IRQ3B     IRQ3C    IRQ3D    IRQ3E    IRQ3F    IRQ3G    IRQ3H    I
RQ9             --------I--------I--------I--------I--------I--------I--------I--------I--------I
                      1 I   242  I    83  I   193  I    80  I   160  I   227  I     8  I     3  I   506
  VERY FAVORABLE        I  47.8  I  16.4  I  38.1  I  15.8  I  31.6  I  44.9  I   1.6  I   0.6  I  67.6
                        I  58.6  I  64.8  I  60.5  I  67.8  I  66.1  I  63.6  I  47.1  I  75.0  I
                        I  30.0  I  10.3  I  23.9  I   9.9  I  19.8  I  28.1  I   1.0  I   0.4  I
                        I--------I--------I--------I--------I--------I--------I--------I--------I
                      2 I   137  I    36  I    97  I    31  I    71  I   111  I     8  I     0  I   246
  SOMEWHAT FAVORABLE    I  55.7  I  14.6  I  39.4  I  12.6  I  28.9  I  45.1  I   3.3  I   0.0  I  30.4
                        I  33.2  I  28.1  I  30.4  I  26.3  I  29.3  I  31.1  I  47.1  I   0.0  I
                        I  17.0  I   4.5  I  12.0  I   3.8  I   8.8  I  13.7  I   1.0  I   0.0  I
                        I--------I--------I--------I--------I--------I--------I--------I--------I
                      3 I    25  I     7  I    20  I     5  I     6  I    12  I     1  I     1  I    41
  SOMEWHAT UNFAVORABLE  I  61.0  I  17.1  I  48.8  I  12.2  I  14.6  I  29.3  I   2.4  I   2.4  I   5.1
                        I   6.1  I   5.5  I   6.3  I   4.2  I   2.5  I   3.4  I   5.9  I  25.0  I
                        I   3.1  I   0.9  I   2.3  I   0.6  I   0.7  I   1.5  I   0.1  I   0.1  I
                        I--------I--------I--------I--------I--------I--------I--------I--------I
                      4 I     9  I     2  I     9  I     2  I     5  I     7  I     0  I     0  I    15
  VERY    UNFAVORABLE   I  60.0  I  13.3  I  60.0  I  13.3  I  33.3  I  46.7  I   0.0  I   0.0  I   1.9
                        I   2.2  I   1.6  I   2.8  I   1.7  I   2.1  I   2.0  I   0.0  I   0.0  I
                        I   1.1  I   0.2  I   1.1  I   0.2  I   0.6  I   0.9  I   0.0  I   0.0  I
                        I--------I--------I--------I--------I--------I--------I--------I--------I
                 COLUMN     413      128      319      118      242      357       17        4      808
                  TOTAL    51.1     15.8     39.5     14.6     30.0     44.2      2.1      0.5    100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

    808 VALID CASES           2 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                  11/07/84        PAGE  15

FILE  FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * C R O S S T A B U L A T I O N * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST44 (TABULATING      1) ADDITIONAL SYSTEM FEATURES DESIRED:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   2

                  RQUEST44

           COUNT  ISTEP BY  SEARCH B SUBJECT  LIMIT BY LIMIT BY JOURNAL  CHANGE D VIEW REL SRCH FOR SRCH BY  PRINT SE
         ROW PCT  ISTEP INS Y TITLE  WORD SEA  DATE OF  LANGUAG TITLE AB ISPLAY O ATED WOR  ILLUS & CALL NUM ARCH RES   ROW
         COL PCT  ITRUC     WORD     RCH       PUB      E       BRV      RDER     DS        BIB     BER      ULTS     TOTAL
         TAB PCT  IRQ44A   IRQ44B   IRQ44C   IRQ44D   IRQ44E   IRQ44F   IRQ44G   IRQ44H   IRQ44I   IRQ44J   IRQ44K   I
RQ9      --------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
               1 I    27  I    79  I   113  I    64  I    67  I   103  I    39  I   189  I   100  I    24  I   203  I   479
  VERY FAVORABLE I   5.6  I  16.5  I  23.6  I  13.4  I  14.0  I  21.5  I   8.1  I  39.5  I  20.9  I   5.0  I  42.4  I  62.5
                 I  46.6  I  58.5  I  56.2  I  71.9  I  70.5  I  65.2  I  55.7  I  60.2  I  53.3  I  42.9  I  68.4  I
                 I   3.5  I  10.3  I  14.7  I   8.3  I   8.7  I  13.4  I   5.1  I  24.6  I  13.0  I   3.1  I  26.5  I
                 I--------I--------I--------I--------I--------I--------I--------I--------I--      I        I        I
               2 I    20  I    51  I    72  I    22  I    24  I    43  I    26  I   105  I    48  I    26  I    77  I   234
 SOMEWHAT FAVORABLE I 8.5 I  21.8  I  30.8  I   9.4  I  10.3  I  18.4  I  11.1  I  44.9  I  20.5  I  11.1  I  32.9  I  30.5
                 I  34.5  I  37.8  I  35.8  I  24.7  I  25.3  I  27.2  I  37.1  I  33.4  I  30.4  I  46.4  I  25.9  I
                 I   2.6  I   6.6  I   9.4  I   2.9  I   3.1  I   5.6  I   3.4  I  13.7  I   6.3  I   3.4  I  10.0  I
                 I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
               3 I     7  I     4  I    14  I     3  I     4  I    10  I     3  I    14  I     9  I     5  I    10  I    41
 SOMEWHAT UNFAVORABLE I 17.1 I 9.8 I  34.1  I   7.3  I   9.8  I  24.4  I   7.3  I  34.1  I  22.0  I  12.2  I  24.4  I   5.3
                 I  12.1  I   3.0  I   7.0  I   3.4  I   4.2  I   6.3  I   4.3  I   4.5  I   5.7  I   8.9  I   3.4  I
                 I   0.9  I   0.5  I   1.8  I   0.4  I   0.5  I   1.3  I   0.4  I   1.8  I   1.2  I   0.7  I   1.3  I
                 I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
               4 I     4  I     1  I     2  I     0  I     0  I     2  I     2  I     6  I     1  I     1  I     7  I    13
 VERY   UNFAVORABLE I 30.8 I  7.7  I  15.4  I   0.0  I   0.0  I  15.4  I  15.4  I  46.2  I   7.7  I   7.7  I  53.8  I   1.7
                 I   6.9  I   0.7  I   1.0  I   0.0  I   0.0  I   1.3  I   2.9  I   1.9  I   0.6  I   1.8  I   2.4  I
                 I   0.5  I   0.1  I   0.3  I   0.0  I   0.0  I   0.3  I   0.3  I   0.8  I   0.1  I   0.1  I   0.9  I
                 I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
          COLUMN      58       135      201       89       95      158       70      314      158       56      297     767
           TOTAL     7.6      17.6     26.2     11.6     12.4     20.6      9.1     40.9     20.6      7.3     38.7   100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

(CONTINUED)
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                          11/02/84          PAGE   16

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9      GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST44 (TABULATING      1) ADDITIONAL SYSTEM FEATURES DESIRED:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   2 OF   2

                    RQUEST44

               COUNT   ISRCH CON IF BOOK  LIB LOCA NONE
               ROW PCT ITENTS-IN CHECKED  TION OF              ROW
               COL PCT IDEX      OUT      BOOK                 TOTAL
               TAB PCT IRQ44L    IRQ44M   IRQ44N   IRQ44U   I
RQ9            --------I--------I--------I--------I--------I
                     1 I   250  I   358  I   142  I     8  I   479
  VERY FAVORABLE       I  52.2  I  74.7  I  29.6  I   1.7  I  62.5
                       I  63.6  I  63.8  I  62.0  I  57.1  I
                       I  32.6  I  46.7  I  18.5  I   1.0  I
                       I--------I--------I--------I--------I
                     2 I   122  I   172  I    70  I     2  I   234
  SOMEWHAT FAVORABLE   I  52.1  I  73.5  I  29.9  I   0.9  I  30.5
                       I  31.0  I  30.7  I  30.6  I  14.3  I
                       I  15.9  I  22.4  I   9.1  I   0.3  I
                       I--------I--------I--------I--------I
                     3 I    14  I    21  I    14  I     4  I    41
  SOMEWHAT UNFAVORABLE I  34.1  I  51.2  I  34.1  I   9.8  I   5.3
                       I   3.6  I   3.7  I   6.1  I  28.6  I
                       I   1.8  I   2.7  I   1.8  I   0.5  I
                       I--------I--------I--------I--------I
                     4 I     7  I    10  I     3  I     0  I    13
  VERY    UNFAVORABLE  I  53.8  I  76.9  I  23.1  I   0.0  I   1.7
                       I   1.8  I   1.8  I   1.3  I   0.0  I
                       I   0.9  I   1.3  I   0.4  I   0.0  I
                       I--------I--------I--------I--------I
                COLUMN     393      561      229       14      767
                 TOTAL    51.2     73.1     29.9      1.8    100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   767 VALID CASES            43 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                    11/12/84          PAGE   17

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9      GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST45 (TABULATING      1) COMPUTER CAT SERVICE IMPROVEMENTS DESIRE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF    1

                         RQUEST45

                    COUNT  IMORE TER TERMS IN TERMS OU COMMAND  MANUAL A MANUAL F TRAINING A-V TRAI NONE
                  ROW PCT  IMINALS    OTHER L TSIDE LI CHART PO T TERMIN OR PURCH  SESSION NING PRO            ROW
                  COL PCT  I          OCAT     BR       STED     AL       ASE      S        GR                 TOTAL
                  TAB PCT  IRQ45A   IRQ45B   IRQ45C   IRQ45D   IRQ45E   IRQ45F   IRQ45G   IRQ45H   IRQ45I   I
RQ9               --------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                        1  I   284  I   271  I   203  I    72  I    68  I    19  I    32  I    30  I    49  I    476
  VERY FAVORABLE           I  59.7  I  56.9  I  42.6  I  15.1  I  14.3  I   4.0  I   6.7  I   6.3  I  10.3  I   62.6
                           I  66.0  I  63.9  I  65.5  I  55.0  I  51.9  I  54.3  I  54.2  I  50.0  I  57.6  I
                           I  37.4  I  35.7  I  26.7  I   9.5  I   8.9  I   2.5  I   4.2  I   3.9  I   6.4  I
                           I--------I--------I--------I--------I--------I        I        I        I        I
                        2  I   122  I   127  I    83  I    49  I    48  I    13  I    20  I    24  I    30  I    229
  SOMEWHAT FAVORABLE       I  53.3  I  55.5  I  36.2  I  21.4  I  21.0  I   5.7  I   8.7  I  10.5  I  13.1  I   30.1
                           I  28.4  I  30.0  I  26.8  I  37.4  I  36.6  I  37.1  I  33.9  I  40.0  I  35.3  I
                           I  16.1  I  16.7  I  10.9  I   6.4  I   6.3  I   1.7  I   2.6  I   3.2  I   3.9  I
                           I--------I--------I--------I--------I--------I--------I--------I--      I        I
                        3  I    17  I    21  I    16  I    10  I    12  I     2  I     4  I     3  I     3  I     42
  SOMEWHAT UNFAVORABLE     I  40.5  I  50.0  I  38.1  I  23.8  I  28.6  I   4.8  I   9.5  I   7.1  I   7.1  I    5.5
                           I   4.0  I   5.0  I   5.2  I   7.6  I   9.2  I   5.7  I   6.8  I   5.0  I   3.5  I
                           I   2.2  I   2.8  I   2.1  I   1.3  I   1.6  I   0.3  I   0.5  I   0.4  I   0.4  I
                           I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                        4  I     7  I     5  I     8  I     0  I     3  I     1  I     3  I     3  I     3  I     13
  VERY    UNFAVORABLE      I  53.8  I  38.5  I  61.5  I   0.0  I  23.1  I   7.7  I  23.1  I  23.1  I  23.1  I    1.7
                           I   1.6  I   1.2  I   2.6  I   0.0  I   2.3  I   2.9  I   5.1  I   5.0  I   3.5  I
                           I   0.9  I   0.7  I   1.1  I   0.0  I   0.4  I   0.1  I   0.4  I   0.4  I   0.4  I
                           I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                   COLUMN      430      424      310      131      131       35       59       60       85
                    TOTAL     56.6     55.8     40.8     17.2     17.2      4.6      7.8      7.9     11.2

PERCENTS AND TOTALS BASED ON RESPONDENTS

   760 VALID CASES          53 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                 11/02/84        PAGE   18

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST46 (TABULATING      1) ADDITIONAL KINDS OF MATERIALS DESIRED:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   2

                        RQUEST46

                COUNT   IDISSERTA MOTION P GOV PUBL JOURNAL  MAPS     MANUSCRI MUSIC SC NEWSPAPE RECORDS  TECHNICA MORE OLD
                ROW PCT ITIONS    ICTURE F ICATIONS TITLES            PTS      ORES     RS       OR TAPES L REPORT ER BOOKS    ROW
                COL PCT I         ILMS                                                                    S                   TOTAL
                TAB PCT IRQ46A    IRQ46B   IRQ46C   IRQ46D   IRQ46E   IRQ46F   IRQ46G   IRQ46H   IRQ46I   IRQ46J   IRQ46K   I
RQ9             --------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                     1  I    169 I     90 I    139 I    282 I     54 I     35 I     38 I    190 I     71 I     68 I    180 I    468
  VERY FAVORABLE        I   36.1 I   19.2 I   29.7 I   60.3 I   11.5 I    7.5 I    8.1 I   40.6 I   15.2 I   14.5 I   38.5 I   62.6
                        I   61.9 I   55.9 I   63.8 I   63.8 I   60.7 I   55.6 I   51.4 I   62.5 I   55.5 I   69.4 I   58.8 I
                        I   22.6 I   12.0 I   18.6 I   37.7 I    7.2 I    4.7 I    5.1 I   25.4 I    9.5 I    9.1 I   24.1 I
                        I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                     2  I     88 I     59 I     71 I    133 I     28 I     21 I     28 I     94 I     49 I     25 I    101 I    228
  SOMEWHAT FAVORABLE    I   38.6 I   25.9 I   31.1 I   58.3 I   12.3 I    9.2 I   12.3 I   41.2 I   21.5 I   11.0 I   44.3 I   30.5
                        I   32.2 I   36.6 I   32.6 I   30.1 I   31.5 I   33.3 I   37.8 I   30.9 I   38.3 I   25.5 I   33.0 I
                        I   11.8 I    7.9 I    9.5 I   17.8 I    3.7 I    2.8 I    3.7 I   12.6 I    6.6 I    3.3 I   13.5 I
                        I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                     3  I      9 I      7 I      6 I     22 I      5 I      6 I      7 I     16 I      4 I      4 I     19 I     39
  SOMEWHAT UNFAVORABLE  I   23.1 I   17.9 I   15.4 I   56.4 I   12.8 I   15.4 I   17.9 I   41.0 I   10.3 I   10.3 I   48.7 I    5.2
                        I    3.3 I    4.3 I    2.8 I    5.0 I    5.6 I    9.5 I    9.5 I    5.3 I    3.1 I    4.1 I    6.2 I
                        I    1.2 I    0.9 I    0.8 I    2.9 I    0.7 I    0.8 I    0.9 I    2.1 I    0.5 I    0.5 I    2.5 I
                        I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                     4  I      7 I      5 I      2 I      5 I      2 I      1 I      1 I      4 I      4 I      1 I      6 I     13
  VERY    UNFAVORABLE   I   53.8 I   38.5 I   15.4 I   38.5 I   15.4 I    7.7 I    7.7 I   30.8 I   30.8 I    7.7 I   46.2 I    1.7
                        I    2.6 I    3.1 I    0.9 I    1.1 I    2.2 I    1.6 I    1.4 I    1.3 I    3.1 I    1.0 I    2.0 I
                        I    0.9 I    0.7 I    0.3 I    0.7 I    0.3 I    0.1 I    0.1 I    0.5 I    0.5 I    0.1 I    0.8 I
                        I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                COLUMN       273      161      218      442       89       63       74      304      128       98      306      748
                 TOTAL      36.5     21.5     29.1     59.1     11.9      8.4      9.9     40.6     17.1     13.1     40.9    100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

(CONTINUED)
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                   11/02/84        PAGE   19

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9      GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST46 (TABULATING      1) ADDITIONAL KINDS OF MATERIALS DESIRED:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   2 OF   2

                                 RQUEST46

                         COUNT  INONE      OTHER
                       ROW PCT  I                        ROW
                       COL PCT  I                        TOTAL
                       TAB PCT  IRQ46L    IRQ46M    I
RQ9                    --------I--------I--------I
                             1 I    26  I    16  I    468
  VERY FAVORABLE               I   5.6  I   3.4  I   62.6
                               I  63.4  I  59.3  I
                               I   3.5  I   2.1  I
                               I--------I--------I
                             2 I    10  I     9  I    228
  SOMEWHAT FAVORABLE           I   4.4  I   3.9  I   30.5
                               I  24.4  I  33.3  I
                               I   1.3  I   1.2  I
                               I--------I--------I
                             3 I     4  I     2  I     39
  SOMEWHAT UNFAVORABLE         I  10.3  I   5.1  I    5.2
                               I   9.8  I   7.4  I
                               I   0.5  I   0.3  I
                               I--------I--------I
                             4 I     1  I     0  I     13
  VERY    UNFAVORABLE          I   7.7  I   0.0  I    1.7
                               I   2.4  I   0.0  I
                               I   0.1  I   0.0  I
                               I--------I--------I
                        COLUMN      41        27       748
                         TOTAL     5.5       3.6     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

    748 VALID CASES           62 MISSING CASES
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                        11/02/84        PAGE   21

FILE    FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    RQ9        GENERAL ATTITUDE TOWARD COMPUTER CAT 15       BY  RQ48       I COME TO THIS LIBRARY
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      RQ48
            COUNT    I
            ROW PCT  IDAILY     WEEKLY    MONTHLY   4 TIMES   ONCE A    NOT BEFO   ROW
            COL PCT  I                              YEAR      YEAR      RE TODAY   TOTAL
            TOT PCT  I      1  I      2  I      3  I      4  I      5  I      6  I
RQ9         ---------I---------I---------I---------I---------I---------I---------I
                   1 I   134   I   241   I    79   I    13   I     7   I     9   I    483
  VERY FAVORABLE     I  27.7   I  49.9   I  16.4   I   2.7   I   1.4   I   1.9   I   62.2
                     I  56.5   I  63.6   I  73.1   I  46.4   I  58.3   I  69.2   I
                     I  17.2   I  31.0   I  10.2   I   1.7   I   0.9   I   1.2   I
                    -I---------I---------I---------I---------I---------I---------I
                   2 I    85   I   112   I    23   I    10   I     3   I     4   I    237
  SOMEWHAT FAVORAB   I  35.9   I  47.3   I   9.7   I   4.2   I   1.3   I   1.7   I   30.5
                     I  35.9   I  29.6   I  21.3   I  35.7   I  25.0   I  30.8   I
                     I  10.9   I  14.4   I   3.0   I   1.3   I   0.4   I   0.5   I
                    -I---------I---------I---------I---------I---------I---------I
                   3 I    12   I    20   I     4   I     4   I     2   I     0   I     42
  SOMEWHAT UNFAVOR   I  28.6   I  47.6   I   9.5   I   9.5   I   4.8   I   0.0   I    5.4
                     I   5.1   I   5.3   I   3.7   I  14.3   I  16.7   I   0.0   I
                     I   1.5   I   2.6   I   0.5   I   0.5   I   0.3   I   0.0   I
                    -I---------I---------I---------I---------I---------I---------I
                   4 I     6   I     6   I     2   I     1   I     0   I     0   I     15
  VERY    UNFAVORA   I  40.0   I  40.0   I  13.3   I   6.7   I   0.0   I   0.0   I    1.9
                     I   2.5   I   1.6   I   1.9   I   3.6   I   0.0   I   0.0   I
                     I   0.8   I   0.8   I   0.3   I   0.1   I   0.0   I   0.0   I
                    -I---------I---------I---------I---------I---------I---------I
             COLUMN      237       379       108        28        12        13        777
              TOTAL     30.5      48.8      13.9       3.6       1.5       1.7      100.0

   10 OUT OF     24 ( 41.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.232
RAW CHI SQUARE =     20.19179 WITH     15 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.1647
CRAMER'S V =  0.09307
CONTINGENCY COEFFICIENT =  0.15915
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ9       DEPENDENT.            =  0.0      WITH RQ48      DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01394 WITH RQ9      DEPENDENT.           =  0.01003 WITH RQ48      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01167
KENDALL'S TAU B = -0.06077.    SIGNIFICANCE =  0.0313
KENDALL'S TAU C = -0.04691.    SIGNIFICANCE =  0.0313
GAMMA = -0.10444
SOMERS'S D (ASYMMETRIC) = -0.05430 WITH RQ9       DEPENDENT.           =  0.06802 WITH RQ48      DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.06039
ETA =  0.12394 WITH RQ9      DEPENDENT.          =  0.06898 WITH RQ48      DEPENDENT.
PEARSON'S R =-0.03390  SIGNIFICANCE =  0.1727

NUMBER OF MISSING OBSERVATIONS =     33
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CROSSTABS OF CCR USE DATA WITH ATTITUDE VARIABLE RQ9                                          11/02/84        PAGE   22

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS        BY  RQ49       I USE THIS COMPUTER CATALOG
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                    RQ49
              COUNT  I
            ROW PCT  IEVERY     MOST      OCCASION RARELY    NOT BEFO   ROW
            COL PCT  IVISIT     VISITS    ALLY               RE TODAY  TOTAL
            TOT PCT  I     1  I     2  I     3  I     4  I     5  I
RQ9         --------I--------I--------I--------I--------I--------I
                  1  I   125  I   199  I   117  I    16  I    30  I   487
  VERY FAVORABLE     I  25.7  I  40.9  I  24.0  I   3.3  I   6.2  I  62.4
                     I  71.8  I  67.2  I  51.8  I  39.0  I  68.2  I
                     I  16.0  I  25.5  I  15.0  I   2.0  I   3.8  I
                    -I--------I--------I--------I--------I--------I
                  2  I    42  I    85  I    85  I    13  I    12  I   237
  SOMEWHAT FAVORAB   I  17.7  I  35.9  I  35.9  I   5.5  I   5.1  I  30.3
                     I  24.1  I  28.7  I  37.6  I  31.7  I  27.3  I
                     I   5.4  I  10.9  I  10.9  I   1.7  I   1.5  I
                    -I--------I--------I--------I--------I--------I
                  3  I     5  I    12  I    16  I     7  I     2  I    42
  SOMEWHAT UNFAVOR   I  11.9  I  28.6  I  38.1  I  16.7  I   4.8  I   5.4
                     I   2.9  I   4.1  I   7.1  I  17.1  I   4.5  I
                     I   0.6  I   1.5  I   2.0  I   0.9  I   0.3  I
                    -I--------I--------I--------I--------I--------I
                  4  I     2  I     0  I     8  I     5  I     0  I    15
  VERY    UNFAVORA   I  13.3  I   0.0  I  53.3  I  33.3  I   0.0  I   1.9
                     I   1.1  I   0.0  I   3.5  I  12.2  I   0.0  I
                     I   0.3  I   0.0  I   1.0  I   0.6  I   0.0  I
                    -I--------I--------I--------I--------I--------I
             COLUMN      174      296      226       41       44      781
              TOTAL     22.3     37.9     28.9      5.2      5.6    100.0

    6 OUT OF    20 ( 30.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.787
RAW CHI SQUARE =     65.46378 WITH    12 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
CRAMER'S V =  0.16715
CONTINGENCY COEFFICIENT =  0.27810
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ9       DEPENDENT.          =  0.02474 WITH RQ49     DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01540
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.04037 WITH RQ9      DEPENDENT.          =  0.02606 WITH RQ49     DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.03168
KENDALL'S TAU B =  0.15534.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C =  0.12597.    SIGNIFICANCE =  0.0000
GAMMA =  0.25140
SOMERS'S D (ASYMMETRIC) =  0.13175 WITH RQ9       DEPENDENT.          =  0.18315 WITH RQ49     DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.15326
ETA =  0.25925 WITH RQ9       DEPENDENT.          =  0.16108 WITH RQ49     DEPENDENT.
PEARSON'S R = 0.15962  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =    29
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                      11/02/84        PAGE   23

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS        BY  RQ50       I USE LIB'S BK CRD OR MICRO CAT
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                    RQ50
           COUNT   I
          ROW PCT  IEVERY     MOST      OCCASION RARELY    NOT BEFO   ROW
          COL PCT  IVISIT     VISITS    ALLY               RE TODAY   TOTAL
          TOT PCT  I     1  I     2   I     3  I     4   I     5   I
RQ9       ---------I--------I---------I--------I---------I---------I
                1  I    49  I   105   I   189  I   102   I    41   I   486
  VERY FAVORABLE   I  10.1  I  21.6   I  38.9  I  21.0   I   8.4   I  62.4
                   I  52.7  I  56.8   I  61.6  I  73.4   I  74.5   I
                   I   6.3  I  13.5   I  24.3  I  13.1   I   5.3   I
                  -I--------I---------I--------I---------I---------I
                2  I    31  I    61   I   103  I    29   I    12   I   236
  SOMEWHAT FAVORAB I  13.1  I  25.8   I  43.6  I  12.3   I   5.1   I  30.3
                   I  33.3  I  33.0   I  33.6  I  20.9   I  21.8   I
                   I   4.0  I   7.8   I  13.2  I   3.7   I   1.5   I
                  -I--------I---------I--------I---------I---------I
                3  I     9  I    13   I    12  I     6   I     2   I    42
  SOMEWHAT UNFAVOR I  21.4  I  31.0   I  28.6  I  14.3   I   4.8   I   5.4
                   I   9.7  I   7.0   I   3.9  I   4.3   I   3.6   I
                   I   1.2  I   1.7   I   1.5  I   0.8   I   0.3   I
                  -I--------I---------I--------I---------I---------I
                4  I     4  I     6   I     3  I     2   I     0   I    15
  VERY    UNFAVORA I  26.7  I  40.0   I  20.0  I  13.3   I   0.0   I   1.9
                   I   4.3  I   3.2   I   1.0  I   1.4   I   0.0   I
                   I   0.5  I   0.8   I   0.4  I   0.3   I   0.0   I
                  -I--------I---------I--------I---------I---------I
           COLUMN       93      185       307      139        55       779
            TOTAL     11.9     23.7      39.4     17.8       7.1     100.0

    5 OUT OF     20 ( 25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  1.059
RAW CHI SQUARE =     26.56122 WITH     12 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0089
CRAMER'S V =  0.10661
CONTINGENCY COEFFICIENT =  0.18158
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ9      DEPENDENT.          =  0.00847 WITH RQ50     DEPENDENT.
LAMBDA (SYMMETRIC) =  0.00523
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01944 WITH RQ9      DEPENDENT.           =  0.01187 WITH RQ50     DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01474
KENDALL'S TAU B = -0.13573.    SIGNIFICANCE =  0.0000
KENDALL'S TAU C = -0.11159.    SIGNIFICANCE =  0.0000
GAMMA = -0.21938
SOMERS'S D (ASYMMETRIC) = -0.11352 WITH RQ9       DEPENDENT.          = -0.16228 WITH RQ50     DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.13359
ETA =  0.15965 WITH RQ9       DEPENDENT.          =  0.15839 WITH RQ50     DEPENDENT.
PEARSON'S R =-0.15812  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     31
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                        11/02/84        PAGE   24

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
   RQ9        GENERAL ATTITUDE TOWARD COMPUTER CAT IS       BY  RQ51       I USE ANOTHER COMPUTER SYSTEM
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                     RQ51
              COUNT  I
            ROW PCT  IDAILY    WEEKLY   MONTHLY  4 TIMES  ONCE A   NEVER        ROW
            COL PCT  I                           A YEAR   YEAR                  TOTAL
            TOT PCT  I     1  I     2  I     3  I     4  I     5  I     6  I
RQ9         ---------I--------I--------I--------I--------I--------I--------I
                  1  I    75  I   110  I    52  I    52  I    32  I   164  I    485
  VERY FAVORABLE     I  15.5  I  22.7  I  10.7  I  10.7  I   6.6  I  33.8  I   62.3
                     I  68.2  I  67.9  I  61.9  I  55.9  I  68.1  I  58.2  I
                     I   9.6  I  14.1  I   6.7  I   6.7  I   4.1  I  21.1  I
                    -I--------I--------I--------I--------I--------I--------I
                  2  I    28  I    44  I    22  I    33  I    13  I    99  I    236
  SOMEWHAT FAVORAB   I  11.9  I  18.6  I   9.3  I  12.7  I   5.5  I  41.9  I   30.3
                     I  25.5  I  27.2  I  26.2  I  32.3  I  27.7  I  35.1  I
                     I   3.6  I   5.7  I   2.8  I   3.9  I   1.7  I  12.7  I
                    -I--------I--------I--------I--------I--------I--------I
                  3  I     7  I     5  I     8  I     8  I     0  I    14  I     42
  SOMEWHAT UNFAVOR   I  16.7  I  11.9  I  19.0  I  19.0  I   0.0  I  33.3  I    5.4
                     I   6.4  I   3.1  I   9.5  I   8.6  I   0.0  I   5.0  I
                     I   0.9  I   0.6  I   1.0  I   1.0  I   0.0  I   1.8  I
                    -I--------I--------I--------I--------I--------I--------I
                  4  I     0  I     3  I     2  I     3  I     2  I     5  I     15
  VERY    UNFAVORA   I   0.0  I  20.0  I  13.3  I  20.0  I  13.3  I  33.3  I    1.9
                     I   0.0  I   1.9  I   2.4  I   3.2  I   4.3  I   1.8  I
                     I   0.0  I   0.4  I   0.3  I   0.4  I   0.3  I   0.6  I
                    -I--------I--------I--------I--------I--------I--------I
             COLUMN      110      162       84       93       47      282      778
              TOTAL     14.1     20.8     10.8     12.0      6.0     36.2    100.0

     7 OUT OF    24 ( 29.2%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.906
RAW CHI SQUARE =    20.51219 WITH    15 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.1532
CRAMER'S V =  0.09375
CONTINGENCY COEFFICIENT =  0.16027
LAMBDA (ASYMMETRIC) =  0.0      WITH RQ9       DEPENDENT.           =  0.0     WITH RQ51     DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01747 WITH RQ9      DEPENDENT.          =  0.00951 WITH RQ51     DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01232
KENDALL'S TAU B =  0.06620.    SIGNIFICANCE =  0.0171
KENDALL'S TAU C =  0.05585.    SIGNIFICANCE =  0.0171
GAMMA =  0.10469
SOMERS'S D (ASYMMETRIC) =  0.05400 WITH RQ9       DEPENDENT.          =  0.08116 WITH RQ51     DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.06485
ETA =  0.10501 WITH RQ9       DEPENDENT.          =  0.08969 WITH RQ51     DEPENDENT.
PEARSON'S R = 0.06474  SIGNIFICANCE =  0.0356

NUMBER OF MISSING OBSERVATIONS =     32
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                                          11/02/84        PAGE   25

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * * *
    RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS       BY  RQ52       HEARD ABOUT COMPUTER CAT FROM
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    RQ52
          COUNT    I
          ROW PCT  INOTICED  LIBRARY  ARTICLE- INSTRUCT FRIEND - LIBRARY      ROW
          COL PCT  ITERM IN  TOUR     ANNOUNCE OR       FAMILY   STAFF      TOTAL
          TOT PCT  I      1  I      2  I      3  I      4  I      5  I      6  I
RQ9       --------I--------I--------I--------I--------I--------I--------I
                1  I   338  I    38  I    60  I     8  I    29  I    11  I    484
  VERY FAVORABLE   I  69.8  I   7.9  I  12.4  I   1.7  I   6.0  I   2.3  I   62.3
                   I  63.3  I  62.3  I  59.4  I  57.1  I  56.9  I  68.8  I
                   I  43.5  I   4.9  I   7.7  I   1.0  I   3.7  I   1.4  I
                  -I--------I--------I--------I--------I--------I--------I
                2  I   157  I    19  I    34  I     5  I    17  I     5  I    237
  SOMEWHAT FAVORAB I  66.2  I   8.0  I  14.3  I   2.1  I   7.2  I   2.1  I   30.5
                   I  29.4  I  31.1  I  33.7  I  35.7  I  33.3  I  31.3  I
                   I  20.2  I   2.4  I   4.4  I   0.6  I   2.2  I   0.6  I
                  -I--------I--------I--------I--------I--------I--------I
                3  I    29  I     4  I     4  I     1  I     4  I     0  I     42
  SOMEWHAT UNFAVOR I  69.0  I   9.5  I   9.5  I   2.4  I   9.5  I   0.0  I    5.4
                   I   5.4  I   6.6  I   4.0  I   7.1  I   7.8  I   0.0  I
                   I   3.7  I   0.5  I   0.5  I   0.1  I   0.5  I   0.0  I
                  -I--------I--------I--------I--------I--------I--------I
                4  I    10  I     0  I     3  I     0  I     1  I     0  I     14
  VERY    UNFAVORA I  71.4  I   0.0  I  21.4  I   0.0  I   7.1  I   0.0  I    1.8
                   I   1.9  I   0.0  I   3.0  I   0.0  I   2.0  I   0.0  I
                   I   1.3  I   0.0  I   0.4  I   0.0  I   0.1  I   0.0  I
                  -I--------I--------I--------I--------I--------I--------I
           COLUMN      534       61      101       14       51       16      777
            TOTAL     68.7      7.9     13.0      1.8      6.6      2.1    100.0

   11 OUT OF    24 ( 45.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =  0.252
RAW CHI SQUARE =      5.91406 WITH    15 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.9812
CRAMER'S V =  0.05037
CONTINGENCY COEFFICIENT =  0.08691
LAMBDA (ASYMMETRIC) =  0.0       WITH RQ9       DEPENDENT.           =  0.0      WITH RQ52      DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00597 WITH RQ9      DEPENDENT.           =  0.00503 WITH RQ52      DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00546
KENDALL'S TAU B =  0.02562.     SIGNIFICANCE =  0.2189
KENDALL'S TAU C =  0.01734.     SIGNIFICANCE =  0.2189
GAMMA =  0.05000
SOMERS'S D (ASYMMETRIC) =  0.02603 WITH RQ9       DEPENDENT.           =  0.02522 WITH RQ52      DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.02562
ETA =  0.05149 WITH RQ9      DEPENDENT.           =  0.03249 WITH RQ52      DEPENDENT.
PEARSON'S R = 0.01687  SIGNIFICANCE =  0.3193

NUMBER OF MISSING OBSERVATIONS =     33
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CROSSTABS OF CLR USE DATA WITH ATTITUDE VARIABLE RQ9                         11/02/84        PAGE   27

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS
BY RQUEST53 (TABULATING      1) I LEARNED HOW TO USE THIS COMP CAT:
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                    RQUEST53

               COUNT   IFROM A F BY PRINT BY INSTR FROM LIB FROM LIB BY MYSEL
               ROW PCT IRIEND    ED INSTR ON TERM  RARY STA RARY COU F           ROW
               COL PCT I                  INAL     FF       RSE                  TOTAL
               TAB PCT IRQ53A   IRQ53B   IRQ53C   IRQ53D   IRQ53E   IRQ53G   I
RQ9            --------I--------I--------I--------I--------I--------I--------I
                    1  I     47 I    153 I    321 I     14 I      7 I    123 I    485
  VERY FAVORABLE       I    9.7 I   31.5 I   66.2 I    2.9 I    1.4 I   25.4 I   62.3
                       I   62.7 I   63.0 I   64.1 I   48.3 I   53.8 I   60.6 I
                       I    6.0 I   19.6 I   41.2 I    1.8 I    0.9 I   15.8 I
                       I--------I--------I--------I--------I--------I--------I
                    2  I     24 I     73 I    157 I     11 I      6 I     63 I    238
  SOMEWHAT FAVORABLE   I   10.1 I   30.7 I   66.0 I    4.6 I    2.5 I   26.5 I   30.6
                       I   32.0 I   30.0 I   31.3 I   37.9 I   46.2 I   31.0 I
                       I    3.1 I    9.4 I   20.2 I    1.4 I    0.8 I    8.1 I
                       I--------I--------I--------I--------I--------I--------I
                    3  I      3 I     13 I     19 I      2 I      0 I     12 I     42
  SOMEWHAT UNFAVORABLE I    7.1 I   31.0 I   45.2 I    4.8 I    0.0 I   28.6 I    5.4
                       I    4.0 I    5.3 I    3.8 I    6.9 I    0.0 I    5.9 I
                       I    0.4 I    1.7 I    2.4 I    0.3 I    0.0 I    1.5 I
                       I--------I--------I--------I--------I--------I--------I
                    4  I      1 I      4 I      4 I      2 I      0 I      5 I     14
  VERY    UNFAVORABLE  I    7.1 I   28.6 I   28.6 I   14.3 I    0.0 I   35.7 I    1.8
                       I    1.3 I    1.6 I    0.8 I    6.9 I    0.0 I    2.5 I
                       I    0.1 I    0.5 I    0.5 I    0.3 I    0.0 I    0.6 I
                       I--------I--------I--------I--------I--------I--------I
               COLUMN       75      243      501       29       13      203      779
                TOTAL      9.6     31.2     64.3      3.7      1.7     26.1    100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

    779 VALID CASES          31 MISSING CASES
```

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FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS      BY  RQ57       MY ACADEMIC AREA IS
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                   RQ57
          COUNT   I
          ROW PCT IART AND  PHYS-BIO SOCIAL   BUSINESS EDUCATIO ENGINEER MEDICAL  LAW      MAJOR UN  ROW
          COL PCT IHUMANITI SCIENCE  SCIENCES -MANAGEM N        ING      HEALTH S          DECLARED  TOTAL
          TOT PCT I     1  I     2  I     3  I     4  I     5  I     6  I     7  I     8  I     9  I
RQ9       --------I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                1 I   148  I    40  I   102  I    67  I    11  I    16  I    45  I    15  I    19  I   463
  VERY FAVORABLE  I  32.0  I   8.6  I  22.0  I  14.5  I   2.4  I   3.5  I   9.7  I   3.2  I   4.1  I  62.7
                  I  55.8  I  69.0  I  65.8  I  69.1  I  57.9  I  66.7  I  69.2  I  57.7  I  65.5  I
                  I  20.1  I   5.4  I  13.8  I   9.1  I   1.5  I   2.2  I   6.1  I   2.0  I   2.6  I
                 -I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                2 I    98  I    15  I    45  I    20  I     5  I     6  I    17  I     6  I     7  I   219
  SOMEWHAT FAVORAB I  44.7  I   6.8  I  20.5  I   9.1  I   2.3  I   2.7  I   7.8  I   2.7  I   3.2  I  29.7
                  I  37.0  I  25.9  I  29.0  I  20.6  I  26.3  I  25.0  I  26.2  I  23.1  I  24.1  I
                  I  13.3  I   2.0  I   6.1  I   2.7  I   0.7  I   0.8  I   2.3  I   0.8  I   0.9  I
                 -I--------I--------I--------I--------I--------I--------I--------I--------I--------I
                3 I    14  I     3  I     6  I     8  I     2  I     2  I     2  I     2  I     2  I    41
  SOMEWHAT UNFAVOR I  34.1  I   7.3  I  14.6  I  19.5  I   4.9  I   4.9  I   4.9  I   4.9  I   4.9  I   5.6
                  I   5.3  I   5.2  I   3.9  I   8.2  I  10.5  I   8.3  I   3.1  I   7.7  I   6.9  I
                  I   1.9  I   0.4  I   0.8  I   1.1  I   0.3  I   0.3  I   0.3  I   0.3  I   0.3  I
                 -I--------I--------I--------I--------I--------I--------I--------I--------I        I
                4 I     5  I     0  I     2  I     2  I     1  I     0  I     1  I     3  I     1  I    15
  VERY    UNFAVORA I  33.3  I   0.0  I  13.3  I  13.3  I   6.7  I   0.0  I   6.7  I  20.0  I   6.7  I   2.0
                  I   1.9  I   0.0  I   1.3  I   2.1  I   5.3  I   0.0  I   1.5  I  11.5  I   3.4  I
                  I   0.7  I   0.0  I   0.3  I   0.3  I   0.1  I   0.0  I   0.1  I   0.4  I   0.1  I
                 -I--------I--------I--------I--------I--------I--------I--------I--------I--------I
           COLUMN     265       58      155       97       19       24       65       26       29     738
            TOTAL    35.9      7.9     21.0     13.1      2.6      3.3      8.8      3.5      3.9   100.0

NUMBER OF MISSING OBSERVATIONS =     72
```

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```
FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS      BY  RQ56      CURRENT OR HIGHEST GRADE COMPLETED
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                      RQ56
              COUNT  I
             ROW PCT IGRADE    HIGH     SOME     COLLEGE   ROW
             COL PCT ISCHOOL   SCHOOL   COLLEGE  GRADUATE  TOTAL
             TOT PCT I     1  I     2  I     3  I     4  I
RQ9          --------I--------I--------I--------I--------I
                   1 I     1  I     7  I   253  I   223  I   484
  VERY FAVORABLE     I   0.2  I   1.4  I  52.3  I  46.1  I  62.1
                     I 100.0  I  70.0  I  60.2  I  64.1  I
                     I   0.1  I   0.9  I  32.5  I  28.6  I
                    -I--------I--------I--------I--------I
                   2 I     0  I     3  I   132  I   103  I   238
  SOMEWHAT FAVORAB   I   0.0  I   1.3  I  55.5  I  43.3  I  30.6
                     I   0.0  I  30.0  I  31.4  I  29.6  I
                     I   0.0  I   0.4  I  16.9  I  13.2  I
                    -I--------I--------I--------I--------I
                   3 I     0  I     0  I    29  I    13  I    42
  SOMEWHAT UNFAVOR   I   0.0  I   0.0  I  69.0  I  31.0  I   5.4
                     I   0.0  I   0.0  I   6.9  I   3.7  I
                     I   0.0  I   0.0  I   3.7  I   1.7  I
                    -I--------I--------I--------I--------I
                   4 I     0  I     0  I     6  I     9  I    15
  VERY     UNFAVORA  I   0.0  I   0.0  I  40.0  I  60.0  I   1.9
                     I   0.0  I   0.0  I   1.4  I   2.6  I
                     I   0.0  I   0.0  I   0.8  I   1.2  I
                    -I--------I--------I--------I--------I
              COLUMN       1       10      420      348      779
               TOTAL     0.1      1.3     53.9     44.7    100.0

NUMBER OF MISSING OBSERVATIONS =     31
```

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```
CROSSTABS OF [illegible] USE DATA WITH ATTITUDE [illegible]

FILE   FINAL    (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS      BY  RQ55        SEX
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    RQ55
           COUNT  I
         ROW PCT  IFEMALE   MALE        ROW
         COL PCT  I                     TOTAL
         TOT PCT  I       1  I      2  I
RQ9       --------I--------I--------I
               1  I   231  I   245  I    476
  VERY FAVORABLE  I  48.5  I  51.5  I   62.2
                  I  60.5  I  64.0  I
                  I  30.2  I  32.0  I
                 -I--------I--------I
               2  I   126  I   108  I    234
  SOMEWHAT FAVORAB I  53.8  I  46.2  I   30.6
                  I  33.0  I  28.2  I
                  I  16.5  I  14.1  I
                 -I--------I--------I
               3  I    20  I    21  I     41
  SOMEWHAT UNFAVOR I  48.8  I  51.2  I    5.4
                  I   5.2  I   5.5  I
                  I   2.6  I   2.7  I
                 -I--------I--------I
               4  I     5  I     9  I     14
  VERY    UNFAVORA I  35.7  I  64.3  I    1.8
                  I   1.3  I   2.3  I
                  I   0.7  I   1.2  I
                 -I--------I--------I
          COLUMN     382      383        765
           TOTAL    49.9     50.1      100.0

NUMBER OF MISSING OBSERVATIONS =     45
```

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```
CROSSTABS OF CCR USE DATA WITH ATTITUDE VARIABLE RQ9

FILE   FINAL     (CREATION DATE = 09/17/84)

* * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * *
   RQ9       GENERAL ATTITUDE TOWARD COMPUTER CAT IS      BY  RQ54      MY AGE GROUP IS
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF

                    RQ54
            COUNT  I
          ROW PCT  I14 AND  15 - 19  20 - 24  25 - 34  35 - 44  45 - 54  55 - 64  65 AND      ROW
          COL PCT  IUNDER   YEARS    YEARS    YEARS    YEARS    YEARS    YEARS    OVER      TOTAL
          TOT PCT  I      1 I      2 I      3 I      4 I      5 I      6 I      7 I      8 I
RQ9        --------I--------I--------I--------I--------I--------I--------I--------I--------I
                1  I      0 I    125 I    170 I    145 I     35 I      7 I      2 I      2 I    486
  VERY FAVORABLE   I    0.0 I   25.7 I   35.0 I   29.8 I    7.2 I    1.4 I    0.4 I    0.4 I   62.2
                   I    0.0 I   67.6 I   59.9 I   62.2 I   64.8 I   50.0 I   28.6 I   66.7 I
                   I    0.0 I   16.0 I   21.8 I   18.6 I    4.5 I    0.9 I    0.3 I    0.3 I
                  -I--------I--------I--------I--------I--------I--------I--------I--------I
                2  I      0 I     49 I     89 I     75 I     14 I      6 I      4 I      1 I    238
  SOMEWHAT FAVORAB I    0.0 I   20.6 I   37.4 I   31.5 I    5.9 I    2.5 I    1.7 I    0.4 I   30.5
                   I    0.0 I   26.5 I   31.3 I   32.2 I   25.9 I   42.9 I   57.1 I   33.3 I
                   I    0.0 I    6.3 I   11.4 I    9.6 I    1.8 I    0.8 I    0.5 I    0.1 I
                  -I--------I--------I--------I--------I--------I--------I--------I--------I
                3  I      0 I     10 I     19 I     10 I      2 I      1 I      0 I      0 I     42
  SOMEWHAT UNFAVOR I    0.0 I   23.8 I   45.2 I   23.8 I    4.8 I    2.4 I    0.0 I    0.0 I    5.4
                   I    0.0 I    5.4 I    6.7 I    4.3 I    3.7 I    7.1 I    0.0 I    0.0 I
                   I    0.0 I    1.3 I    2.4 I    1.3 I    0.3 I    0.1 I    0.0 I    0.0 I
                  -I--------I--------I--------I--------I--------I--------I--------I--------I
                4  I      1 I      1 I      6 I      3 I      3 I      0 I      1 I      0 I     15
  VERY    UNFAVORA I    6.7 I    6.7 I   40.0 I   20.0 I   20.0 I    0.0 I    6.7 I    0.0 I    1.9
                   I  100.0 I    0.5 I    2.1 I    1.3 I    5.6 I    0.0 I   14.3 I    0.0 I
                   I    0.1 I    0.1 I    0.8 I    0.4 I    0.4 I    0.0 I    0.1 I    0.0 I
                  -I--------I--------I--------I--------I--------I--------I--------I--------I
           COLUMN         1      185      284      233       54       14        7        3      781
            TOTAL       0.1     23.7     36.4     29.8      6.9      1.8      0.9      0.4    100.0

NUMBER OF MISSING OBSERVATIONS =     29
```

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Appendix G

CLR Non-user

```
SPSS BATCH SYSTEM                                                                                   10/26/84        PAGE    1

SPSS FOR OS/360, VERSION H, RELEASE 9A, SEPTEMBER 15, 1980

                                            CURRENT DOCUMENTATION FOR THE SPSS BATCH SYSTEM
ORDER FROM MCGRAW-HILL:  SPSS, 2ND ED. (PRINCIPAL TEXT)       ORDER FROM SPSS INC.:  SPSS STATISTICAL ALGORITHMS
                         SPSS PRIMER (BRIEF INTRO TO SPSS)                           SPSS POCKET GUIDE, RELEASE 8
                         SPSS UPDATE (USE W/SPSS,2ND FOR REL. 7 & 8)                 KEYWORDS: THE SPSS INC. NEWSLETTER


DEFAULT SPACE ALLOCATION..      ALLOWS FOR..   640 TRANSFORMATIONS
WORKSPACE     448000 BYTES                    2560 RECODE VALUES + LAG VARIABLES
TRANSPACE      64000 BYTES                   10240 IF/COMPUTE OPERATIONS

                  1 RUN NAME       CLR NON-USER QUESTIONNAIRE FREQUENCIES
                  2 GET FILE       NUQCOMB


                              FILE NUQCOMB  HAS  75 VARIABLES

                              THE SUBFILES ARE..

                                         NO OF
                              NAME       CASES

                              NUQCOMB      498


CPU TIME REQUIRED..    0.32 SECONDS


                  3 SELECT IF      (LIBSYS EQ 'NYU')
                  4 FREQUENCIES    GENERAL= LIBSYS, LIBTYPE, LIBGRP

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

LIBSYS     LIBRARY SYSTEM

                                                  RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE    FREQ      FREQ       FREQ
CATEGORY LABEL                   CODE     FREQ      (PCT)     (PCT)      (PCT)

NEW YORK UNIV                     NYU      473      100.0     100.0      100.0
                                         -------   -------   -------
                                 TOTAL     473      100.0     100.0

VALID CASES      473      MISSING CASES      0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                10/26/84        PAGE    3
FILE    NUQCOMB   (CREATION DATE = 09/20/84)

LIBTYPE   LIBRARY GROUPING BY TYPE OF LIBRARY

                                                   RELATIVE  ADJUSTED    CUM
                                         ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                    CODE     FREQ     (PCT)     (PCT)     (PCT)

ARL LIBS                            1.      473     100.0     100.0     100.0
                                          -------   ------    ------
                                 TOTAL      473     100.0     100.0

VALID CASES      473      'MISSING CASES      0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                        10/26/84       PAGE    4

FILE    NUQCOMB  (CREATION DATE = 09/20/84)

LIBGRP    LIBRARY GROUPING BY PRINCIPAL INVESTIGAT

                                                  RELATIVE  ADJUSTED    CUM
                                        ABSOLUTE    FREQ      FREQ     FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)    (PCT)

                                   0.      473     100.0    MISSING   100.0
                                        -------   -------   -------
                                TOTAL      473     100.0     100.0

VALID CASES        0      MISSING CASES    473
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84        PAGE    5

TRANSPACE REQUIRED..       100 BYTES
      1 TRANSFORMATIONS
      0 RECODE VALUES + LAG VARIABLES
      3 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED..     1.31 SECONDS


                  5 FREQUENCIES    GENERAL= LOCATION TO MINUTE
                  6 OPTIONS        6

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                     10/26/84      PAGE    6
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

LOCATION  LOCATION OF RESPONDENT IN LIBRARY SYSTEM

                                                RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE   FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE    FREQ     (PCT)     (PCT)     (PCT)

                                 CS        2       0.4       0.4       0.4

                                 CT        1       0.2       0.2       0.6

                                 EH        1       0.2       0.2       0.8

                                 EN      467      98.7      98.7      99.6

                                 EO        1       0.2       0.2      99.8

                                 FN        1       0.2       0.2     100.0
                                       ------    ------    ------
                                TOTAL    473     100.0     100.0

VALID CASES     473       MISSING CASES     0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                              10/26/84        PAGE    7
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

DATACOL   DATA COLLECTORS INITIALS

                    ADJ  CUM                        ADJ  CUM                        ADJ  CUM
    CODE     FREQ   PCT  PCT      CODE     FREQ     PCT  PCT      CODE     FREQ     PCT  PCT

    AH         43     9    9      DL         37       8   65      MK         20       4   86
    CG         12     3   12      DS         26       5   70      MS          6       1   87
    CN          1     0   12      DO          3       1   71      NK         34       7   94
    CS        107    23   34      EN          2       0   71      SK         27       6  100
    CT         49    10   45      GP         23       5   76      00          1       0  100
    DH         58    12   57      JG         24       5   81

VALID CASES      473       MISSING CASES      0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84       PAGE    8

FILE    NUQCOMB   (CREATION DATE = 09/20/84)

MONTH      MONTH QUESTIONNAIRE FILLED OUT

                                                  RELATIVE  ADJUSTED    CUM
                                       ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE     FREQ      (PCT)     (PCT)     (PCT)

FEBRUARY                          2.        25       5.3       5.3       5.3

MARCH                             3.        74      15.6      15.6      20.9

APRIL                             4.       373      78.9      78.9      99.8

                                 14.         1       0.2       0.2     100.0
                                        ------    ------    ------
                               TOTAL       473     100.0     100.0

VALID CASES     473       MISSING CASES      0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84        PAGE    9
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

DAY        DAY QUESTIONNAIRE FILLED OUT

                                               RELATIVE  ADJUSTED    CUM
                                     ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                 CODE    FREQ     (PCT)     (PCT)     (PCT)

                                 1.      49      10.4      10.4      10.4
                                 2.      24       5.1       5.1      15.4
                                 3.      49      10.4      10.4      25.8
                                 4.      25       5.3       5.3      31.1
                                 5.      49      10.4      10.4      41.4
                                10.      26       5.5       5.5      46.9
                                11.      24       5.1       5.1      52.0
                                12.      24       5.1       5.1      57.1
                                15.      25       5.3       5.3      62.4
                                16.       1       0.2       0.2      62.6
                                17.      25       5.3       5.3      67.9
                                18.      25       5.3       5.3      73.2
                                19.      50      10.6      10.6      83.7
                                24.      27       5.7       5.7      89.4
                                28.      25       5.3       5.3      94.7
                                29.      25       5.3       5.3     100.0
                                      ------    ------    ------
                               TOTAL    473     100.0     100.0

VALID CASES     473      MISSING CASES      0
```

```
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

YEAR       YEAR QUEST. FILLED OUT

                                             RELATIVE  ADJUSTED     CUM
                                   ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL               CODE    FREQ      (PCT)     (PCT)     (PCT)

                              83.       1       0.2       0.2       0.2

                              84.     471      99.6      99.6      99.8

                              85.       1       0.2       0.2     100.0
                                   ------    ------    ------
                            TOTAL     473     100.0     100.0

VALID CASES     473       MISSING CASES     0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84        PAGE  11

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

HOUR       HOUR OF THE DAY Q. FILLED OUT

                                                     RELATIVE   ADJUSTED     CUM
                                         ABSOLUTE      FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE     FREQ        (PCT)      (PCT)      (PCT)

                                    3.        1         0.2        0.2        0.2

                                    4.        1         0.2        0.2        0.4

                                    9.       51        10.8       10.8       11.2

                                   10.       47         9.9        9.9       21.1

                                   11.       27         5.7        5.7       26.8

                                   12.        1         0.2        0.2       27.1

                                   13.       87        18.4       18.4       45.5

                                   14.       95        20.1       20.1       65.5

                                   15.       14         3.0        3.0       68.5

                                   16.        1         0.2        0.2       68.7

                                   17.       24         5.1        5.1       73.8

                                   18.      103        21.8       21.8       95.6

                                   19.       21         4.4        4.4      100.0
                                          ------      ------     ------
                                 TOTAL      473       100.0      100.0

VALID CASES      473       MISSING CASES      0
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                   10/26/84        PAGE   12

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

MINUTE    MINUTE OF THE HOUR Q. FILLED OUT

                   ADJ  CUM                      ADJ  CUM                       ADJ  CUM
   CODE     FREQ  PCT  PCT     CODE     FREQ  PCT  PCT     CODE      FREQ  PCT  PCT

     0.       21    4    4      20.       17    4   33      40.        23    5   71
     1.        4    1    5      21.        9    2   35      41.         6    1   72
     2.        4    1    6      22.        4    1   36      42.         4    1   73
     3.        4    1    7      23.        8    2   38      43.         5    1   74
     4.        6    1    8      24.        3    1   38      44.         6    1   75
     5.       13    3   11      25.       17    4   42      45.        23    5   80
     6.        8    2   13      26.        8    2   44      46.         5    1   81
     7.        2    0   13      27.        6    1   45      47.         2    0   81
     8.        6    1   14      28.        6    1   46      48.         7    1   83
     9.        1    0   15      29.        3    1   47      49.         6    1   84
    10.       16    3   18      30.       23    5   52      50.        24    5   89
    11.        3    1   19      31.        5    1   53      51.         4    1   90
    12.        4    1   19      32.        7    1   54      52.         6    1   91
    13.        4    1   20      33.        5    1   55      53.         7    1   93
    14.        6    1   22      34.        5    1   56      54.         1    0   93
    15.       15    3   25      35.       20    4   60      55.        16    3   96
    16.        7    1   26      36.        9    2   62      56.         4    1   97
    17.        5    1   27      37.        7    1   64      57.         5    1   98
    18.        5    1   28      38.        3    1   64      58.         2    0   99
    19.        6    1   30      39.        6    1   66      59.         6    1  100

VALID CASES      473       MISSING CASES      0
```

```
                  7 READ INPUT DATA

CPU TIME REQUIRED..     1.52 SECONDS


                  8 MULT RESPONSE  GROUPS= QUEST1 I HAVEN'T USED THE COMPUTER CATALOG BECAUSE:
                  9                  (QST1A TO QST1K (1))   /
                 10                  FREQUENCIES=QUEST1  /

'MULT RESPONSE' PROBLEM REQUIRES      88 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  11197 LABELS FOR FREQUENCIES
AND  22398 LABELS FOR TABLES.
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                10/26/84     PAGE  14

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

GROUP QUEST1    I HAVEN'T USED THE COMPUTER CATALOG BECA
     (VALUE TABULATED =      1)

                                                             PCT OF   PCT OF
DICHOTOMY LABEL                         NAME         COUNT  RESPONSES  CASES

DO NOT LIKE TO USE COMPUTERS            QST1A           48      4.6     10.3

DID NOT KNOW THERE WAS A COMPUTER CATALO QST1B         108     10.3     23.2

DO NOT KNOW WHERE IT IS                 QST1C           62      5.9     13.3

NO TIME TO LEARN HOW TO USE IT          QST1D          210     20.1     45.1

HAVE NOT TAKEN TRAINING SESSIONS ON USE QST1E          171     16.3     36.7

NO STAFF ASSISTANCE AT TERMINALS        QST1F           45      4.3      9.7

TERMINALS ALL IN USE                    QST1G           23      2.2      4.9

NO NEED TO USE ANY LIBRARY CATALOG      QST1H          200     19.1     42.9

CARD CATALOG EASIER TO USE              QST1I           74      7.1     15.9

CARD CATALOG CONTAINS MORE INFO I NEED  QST1J           21      2.0      4.5

VISITOR-INFREQUENT USER OF LIBRARY      QST1K           85      8.1     18.2
                                                     -------    -----    -----
                                TOTAL RESPONSES       1047    100.0    224.7

     7 MISSING CASES          466 VALID CASES
```

```
CPU TIME REQUIRED..    0.70 SECONDS


                 11 FREQUENCIES    GENERAL=QST2 TO QST13
                 12 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                     10/26/84        PAGE  16

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST2      TIME NEEDED TO LEARN TO USE COMPUTER CAT

                                                    RELATIVE   ADJUSTED     CUM
                                         ABSOLUTE     FREQ       FREQ      FREQ
CATEGORY LABEL                   CODE      FREQ      (PCT)      (PCT)     (PCT)

DAY OR  MORE                       1.        26        5.5        5.6       5.6

HALF DAY - A DAY                   2.        18        3.8        3.9       9.5

1 HOUR- HALF DAY                   3.        41        8.7        8.9      18.4

30 MIN - 1 HOUR                    4.       105       22.2       22.7      41.1

15 - 30 MINUTES                    5.       120       25.4       26.0      67.1

0 - 15  MINUTES                    6.       152       32.1       32.9     100.0

                                   0.        11        2.3    MISSING     100.0
                                          -------    ------    ------
                                 TOTAL      473      100.0      100.0

MEAN             4.582      STD ERR         0.066       MEDIAN          4.842
MODE             6.000      STD DEV         1.411       VARIANCE        1.992
KURTOSIS         0.286      SKEWNESS       -0.966       RANGE           5.000
MINIMUM          1.000      MAXIMUM         6.000

VALID CASES        462      MISSING CASES      11
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84         PAGE   17

FILE    NUQCOMB  (CREATION DATE = 09/20/84)

QST3        HOW DIFFICULT-EASY TO LEARN TO USE C C

                                                   RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                   CODE     FREQ       (PCT)      (PCT)      (PCT)

VERY     DIFFICULT                 1.        2         0.4        0.4        0.4

SOMEWHAT DIFFICULT                 2.       79        16.7       17.0       17.4

SOMEWHAT EASY                      3.      221        46.7       47.5       64.9

VERY     EASY                      4.      163        34.5       35.1      100.0

                                   0.        8         1.7     MISSING     100.0
                                         ------     ------     ------
                                 TOTAL     473       100.0      100.0

MEAN            3.172      STD ERR        0.033        MEDIAN          3.186
MODE            3.000      STD DEV        0.714        VARIANCE        0.509
KURTOSIS       -0.742      SKEWNESS      -0.335        RANGE           3.000
MINIMUM         1.000      MAXIMUM        4.000

VALID CASES       465      MISSING CASES      8
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                   10/26/84       PAGE   18

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST4      OVERALL ATTITUDE TOWARD COMPUTER CATALOG


                                                 RELATIVE   ADJUSTED    CUM
                                       ABSOLUTE    FREQ       FREQ      FREQ
CATEGORY LABEL                   CODE    FREQ     (PCT)      (PCT)     (PCT)

VERY FAVORABLE                     1.     211      44.6       47.1      47.1

SOMEWHAT FAVORABLE                 2.     191      40.4       42.6      89.7

SOMEWHAT UNFAVORABLE               3.      35       7.4        7.8      97.5

VERY    UNFAVORABLE                4.      11       2.3        2.5     100.0

                                   0.      25       5.3    MISSING     100.0
                                       -------    ------     ------
                                TOTAL     473     100.0      100.0

MEAN          1.656     STD ERR        0.034      MEDIAN        1.568
MODE          1.000     STD DEV        0.728      VARIANCE      0.530
KURTOSIS      0.912     SKEWNESS       1.016      RANGE         3.000
MINIMUM       1.000     MAXIMUM        4.000

VALID CASES     448     MISSING CASES    25
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                  10/26/84        PAGE   19

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST5       HOW LIKELY TO USE COMPUTER CAT IN FUTURE

                                                  RELATIVE  ADJUSTED     CUM
                                         ABSOLUTE   FREQ      FREQ       FREQ
CATEGORY LABEL                     CODE    FREQ     (PCT)     (PCT)      (PCT)

VERY     LIKELY                      1.     182      38.5      39.1       39.1

SOMEWHAT LIKELY                      2.     166      35.1      35.6       74.7

SOMEWHAT UNLIKELY                    3.      73      15.4      15.7       90.3

VERY     UNLIKELY                    4.      45       9.5       9.7      100.0

                                     0.       7       1.5    MISSING     100.0
                                         ------    ------    ------
                                  TOTAL     473     100.0     100.0

MEAN            1.959      STD ERR        0.045      MEDIAN          1.807
MODE            1.000      STD DEV        0.966      VARIANCE        0.934
KURTOSIS       -0.471      SKEWNESS       0.728      RANGE           3.000
MINIMUM         1.000      MAXIMUM        4.000

VALID CASES       466      MISSING CASES      7
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84      PAGE  20
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST6       COMPUTER--CARD CATALOG COMPARISON

                                                  RELATIVE  ADJUSTED    CUM
                                        ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)     (PCT)

BETTER                             1.      132      27.9      31.2      31.2

EQUAL                              2.       55      11.6      13.0      44.2

WORSE                              3.       15       3.2       3.5      47.8

CAN'T   DECIDE                     4.      221      46.7      52.2     100.0

                                   0.       50      10.6   MISSING     100.0
                                         ------    ------    ------
                                TOTAL      473     100.0     100.0

MEAN            2.768     STD ERR        0.066      MEDIAN          3.543
MODE            4.000     STD DEV        1.361      VARIANCE        1.851
KURTOSIS       -1.746     SKEWNESS      -0.323      RANGE           3.000
MINIMUM         1.000     MAXIMUM        4.000

VALID CASES       423     MISSING CASES     50
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84        PAGE   21
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST7      I USE THIS LIBRARY

                                                 RELATIVE  ADJUSTED     CUM
                                      ABSOLUTE     FREQ      FREQ       FREQ
CATEGORY LABEL                 CODE     FREQ      (PCT)     (PCT)      (PCT)

DAILY                            1.      167       35.3      35.8      35.8

WEEKLY                           2.      193       40.8      41.4      77.3

MONTHLY                          3.       63       13.3      13.5      90.8

4 TIMES A YEAR                   4.       26        5.5       5.6      96.4

ONCE A  YEAR                     5.        5        1.1       1.1      97.4

NOT BEFORE TODAY                 6.       12        2.5       2.6     100.0

                                 0.        7        1.5    MISSING    100.0
                                      ------     ------    ------
                              TOTAL      473      100.0     100.0

MEAN           2.024      STD ERR        0.051      MEDIAN          1.842
MODE           2.000      STD DEV        1.108      VARIANCE        1.227
KURTOSIS       2.808      SKEWNESS       1.535      RANGE           5.000
MINIMUM        1.000      MAXIMUM        6.000

VALID CASES      466      MISSING CASES      7
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                    10/26/84        PAGE  22
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST8        : USE LIBRARY'S OTHER CATALOGS

                                                  RELATIVE   ADJUSTED     CUM
                                      ABSOLUTE      FREQ       FREQ       FREQ
CATEGORY LABEL                 CODE     FREQ       (PCT)      (PCT)      (PCT)

EVERY   VISIT                   1.        29         6.1        6.3        6.3

MOST    VISITS                  2.        80        16.9       17.3       23.5

OCCASIONALLY                    3.       167        35.3       36.1       59.6

RARELY                          4.       131        27.7       28.3       87.9

NOT BEFORE TODAY                5.        56        11.8       12.1      100.0

                                0.        10         2.1    MISSING      100.0
                                       ------      ------     ------
                              TOTAL      473       100.0      100.0

MEAN          3.227     STD ERR        0.050       MEDIAN          3.234
MODE          3.000     STD DEV        1.068       VARIANCE        1.141
KURTOSIS     -0.502     SKEWNESS      -0.173       RANGE           4.000
MINIMUM       1.000     MAXIMUM        5.000

VALID CASES     463     MISSING CASES     10
```

```
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

QST9        I USE ANOTHER COMPUTER SYSTEM

                                                   RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE      FREQ       (PCT)      (PCT)      (PCT)

DAILY                             1.        52       11.0       11.4       11.4

WEEKLY                            2.        49       10.4       10.8       22.2

MONTHLY                           3.        41        8.7        9.0       31.2

4 TIMES A YEAR                    4.        40        8.5        8.8       40.0

ONCE A  YEAR                      5.        35        7.4        7.7       47.7

NEVER                             6.       238       50.3       52.3      100.0

                                  0.        18        3.8     MISSING     100.0
                                         ------     ------     ------
                                 TOTAL     473      100.0      100.0

MEAN            4.475      STD ERR         0.088        MEDIAN          5.544
MODE            6.000      STD DEV         1.871        VARIANCE        3.501
KURTOSIS       -1.034      SKEWNESS       -0.746        RANGE           5.000
MINIMUM         1.000      MAXIMUM         6.000

VALID CASES       455      MISSING CASES      18
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                        10/26/84        PAGE   24
FILE    NUQCOMB   (CREATION DATE = 09/20/84)

QST10      MY AGE GROUP IS

                                                  RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE    FREQ      (PCT)      (PCT)      (PCT)

14 AND  UNDER                       1.        2       0.4        0.4        0.4

15 - 19 YEARS                       2.       65      13.7       13.9       14.4

20 - 24 YEARS                       3.      187      39.5       40.1       54.5

25 - 34 YEARS                       4.      142      30.0       30.5       85.0

35 - 44 YEARS                       5.       49      10.4       10.5       95.5

45 - 54 YEARS                       6.       14       3.0        3.0       98.5

55 - 64 YEARS                       7.        5       1.1        1.1       99.6

65 AND  OVER                        8.        2       0.4        0.4      100.0

                                    0.        7       1.5     MISSING     100.0
                                          ------    ------     ------
                                 TOTAL      473     100.0      100.0

MEAN              3.521      STD ERR          0.050       MEDIAN            3.388
MODE              3.000      STD DEV          1.078       VARIANCE          1.162
KURTOSIS          1.417      SKEWNESS         0.845       RANGE             7.000
MINIMUM           1.000      MAXIMUM          8.000

VALID CASES         466      MISSING CASES        7
```

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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84        PAGE   25
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST11      SEX


                                                    RELATIVE  ADJUSTED     CUM
                                          ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                     CODE     FREQ     (PCT)     (PCT)     (PCT)

FEMALE                               1.      256      54.1      54.9      54.9

MALE                                 2.      210      44.4      45.1     100.0

                                     0.        7       1.5   MISSING     100.0
                                          ------    ------    ------
                                  TOTAL      473     100.0     100.0

MEAN             1.451     STD ERR        0.023        MEDIAN           1.410
MODE             1.000     STD DEV        0.498        VARIANCE         0.248
KURTOSIS        -1.969     SKEWNESS       0.199        RANGE            1.000
MINIMUM          1.000     MAXIMUM        2.000

VALID CASES        466     MISSING CASES      7
```

```
QST12      CURRENT OR HIGHEST GRADE COMPLETED

                                                       RELATIVE   ADJUSTED     CUM
                                            ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                      CODE      FREQ       (PCT)      (PCT)      (PCT)

GRADE    SCHOOL                       1.         1         0.2        0.2        0.2

HIGH     SCHOOL                       2.        11         2.3        2.4        2.6

SOME     COLLEGE                      3.       208        44.0       44.6       47.2

COLLEGE GRAD                          4.       246        52.0       52.8      100.0

                                      0.         7         1.5     MISSING     100.0
                                            -------    -------    -------
                                     TOTAL     473       100.0      100.0

MEAN          3.500      STD ERR         0.026       MEDIAN         3.553
MODE          4.000      STD DEV         0.557       VARIANCE       0.311
KURTOSIS     -0.242      SKEWNESS       -0.598       RANGE          3.000
MINIMUM       1.000      MAXIMUM         4.000

VALID CASES     466      MISSING CASES       7
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```
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

QST13      MY ACADEMIC AREA IS

                                                  RELATIVE   ADJUSTED     CUM
                                       ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                   CODE    FREQ      (PCT)      (PCT)      (PCT)

ART & HUMANITIES                   1.     121       25.6       27.7       27.7

PHYS-BIO SCIENCES                  2.      35        7.4        8.0       35.7

SOCIAL  SCIENCES                   3.      56       11.8       12.8       48.5

BUSINESS-MANAGEMENT                4.      94       19.9       21.5       70.0

EDUCATION                          5.      16        3.4        3.7       73.7

ENGINEERING                        6.      21        4.4        4.8       78.5

MEDICAL-HEALTH                     7.      49       10.4       11.2       89.7

LAW                                8.      22        4.7        5.0       94.7

MAJOR UNDECLARED                   9.      16        3.4        3.7       98.4

INTERDISCIPLINARY                 10.       7        1.5        1.6      100.0

                                   0.      36        7.6    MISSING      100.0
                                       ------     ------     ------
                               TOTAL      473      100.0      100.0

MEAN          3.831     STD ERR       0.122      MEDIAN        3.569
MODE          1.000     STD DEV       2.542      VARIANCE      6.462
KURTOSIS     -0.691     SKEWNESS      0.597      RANGE         9.000
MINIMUM       1.000     MAXIMUM      10.000

VALID CASES     437     MISSING CASES    36
```

```
CPU TIME REQUIRED..    1.87 SECONDS


             13 MULT RESPONSE  GROUPS= QUEST14   THE MAIN FOCUS OF MY ACADEMIC WORK IS:
             14                        (QST14A TO QST14C (1))  /
             15                        FREQUENCIES=QUEST14 /

'MULT RESPONSE' PROBLEM REQUIRES      56 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  11198 LABELS FOR FREQUENCIES
AND  22398 LABELS FOR TABLES.
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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                         10/26/84       PAGE   2

FILE    NUQCOMB   (CREATION DATE = 09/20/84)

GROUP QUEST14    THE MAIN FOCUS OF MY ACADEMIC WORK IS:
     (VALUE TABULATED =       1)

                                                                   PCT OF   PCT OF
DICHOTOMY LABEL                              NAME        COUNT   RESPONSES  CASES

COURSE WORK                                  QST14A        356      70.8     81.8

TEACHING                                     QST14B         40       8.0      9.2

RESEARCH                                     QST14C        107      21.3     24.6
                                                         -------    -----    -----
                                     TOTAL RESPONSES       503     100.0    115.6

     38 MISSING CASES          435 VALID CASES
```

```
CPU TIME REQUIRED..    0.59 SECONDS


                 16 FREQUENCIES    GENERAL=QST15 TO QST19
                 17 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84       PAGE   31
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST15     PRESENT AFFILIATION

                                                  RELATIVE   ADJUSTED     CUM
                                        ABSOLUTE    FREQ       FREQ       FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)      (PCT)      (PCT)

FRESHMAN-SOPHOM                    1.       94      19.9       21.5       21.5

JUNIOR--SENIOR                     2.      128      27.1       29.3       50.8

GRADUATE-MASTERS LEV               3.       94      19.9       21.5       72.3

GRADUATE-DOCTORAL LE               4.       29       6.1        6.6       78.9

GRADUATE-PROFESSIONA               5.       42       8.9        9.6       88.6

FACULTY                            6.        6       1.3        1.4       89.9

STAFF                              7.        5       1.1        1.1       91.1

OTHER                              8.       39       8.2        8.9      100.0

                                   0.       36       7.6     MISSING     100.0
                                         ------    ------     ------
                                 TOTAL     473     100.0      100.0

MEAN          3.069      STD ERR        0.097      MEDIAN         2.473
MODE          2.000      STD DEV        2.036      VARIANCE       4.147
KURTOSIS      0.657      SKEWNESS       1.220      RANGE          7.000
MINIMUM       1.000      MAXIMUM        8.000

VALID CASES     437      MISSING CASES    36
```

```
QST16      I CAME TO THIS LIBRARY TO

                                                RELATIVE   ADJUSTED     CUM
                                     ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                CODE     FREQ      ( PCT )    ( PCT )    ( PCT )

DO RESEARCH                     1.       27        5.7       11.1       11.1

FIND SPECIFIC BOOK O            2.       27        5.7       11.1       22.2

FIND OUT ABOUT SUBJE            3.       14        3.0        5.8       28.0

STUDY WITH MATERIALS            4.      122       25.8       50.2       78.2

USE COURSE MATERIALS            5.       11        2.3        4.5       82.7

SOCIALIZE                       6.        2        0.4        0.8       83.5

MEET SOMEONE AND GO             7.        5        1.1        2.1       85.6

ATTEND A CLASS                  8.        5        1.1        2.1       87.7

OTHER                           9.       30        6.3       12.3      100.0

                                0.      230       48.6    MISSING      100.0
                                      ------     ------     ------
                             TOTAL      473      100.0      100.0

MEAN          4.210      STD ERR        0.146       MEDIAN        3.939
MODE          4.000      STD DEV        2.271       VARIANCE      5.158
KURTOSIS      0.257      SKEWNESS       0.884       RANGE         8.000
MINIMUM       1.000      MAXIMUM        9.000

VALID CASES     243      MISSING CASES    230
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CLR NON-USER QUESTIONNAIRE FREQUENCIES                                              10/26/84        PAGE   33
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST17     WHEN USING CARD CATLG,I SEARCH BY

                                                  RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE      FREQ     (PCT)     (PCT)     (PCT)

COMPLETE AUTHOR NAME              1.        39       8.2      23.2      23.2

PART OF AUTHOR NAME               2.        14       3.0       8.3      31.5

COMPLETE TITLE                    3.        30       6.3      17.9      49.4

TOPIC OR WORDS                    4.        13       2.7       7.7      57.1

SUBJECT HEADING OR H              5.        34       7.2      20.2      77.4

DO NOT USE CARD CATA              6.        38       8.0      22.6     100.0

                                  0.       305      64.5   MISSING     100.0
                                        ------    ------    ------
                               TOTAL       473     100.0     100.0

MEAN            3.613     STD ERR       0.146       MEDIAN        3.577
MODE            1.000     STD DEV       1.892       VARIANCE      3.580
KURTOSIS       -1.468     SKEWNESS     -0.137       RANGE         5.000
MINIMUM         1.000     MAXIMUM       6.000

VALID CASES       168     MISSING CASES   305
```

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FILE    NUQCOMB  (CREATION DATE = 09/20/84)

QST18      CARD CATLG VS. COMPUTER CATLG

                                                      RELATIVE   ADJUSTED     CUM
                                           ABSOLUTE     FREQ       FREQ      FREQ
CATEGORY LABEL                     CODE      FREQ       (PCT)      (PCT)     (PCT)

CARD CATALOG                         1.       145       30.7       39.6      39.6

COMPUTER CATALOG                     2.       211       44.6       57.7      97.3

NEVER USE CATALOGS                   3.         8        1.7        2.2      99.5

                                     4.         2        0.4        0.5     100.0

                                     0.       107       22.6     MISSING    100.0
                                           -------    -------    -------
                                  TOTAL       473      100.0      100.0

MEAN            1.637       STD ERR        0.029        MEDIAN         1.680
MODE            2.000       STD DEV        0.556        VARIANCE       0.309
KURTOSIS        0.411       SKEWNESS       0.311        RANGE          3.000
MINIMUM         1.000       MAXIMUM        4.000

VALID CASES       366       MISSING CASES    107
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                          10/26/84         PAGE   3
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

QST19     AFFILIATED WITH

                                                   RELATIVE  ADJUSTED     CUM
                                         ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE      FREQ     (PCT)     (PCT)     (PCT)

NEW YORK UNIV                      1.       343      72.5      88.6      88.6

COOPER UNION                       2.         6       1.3       1.6      90.2

NEW SCHOOL                         3.         8       1.7       2.1      92.2

PARSONS SCHOOL                     4.         4       0.8       1.0      93.3

HEBREW UNION                       5.         1       0.2       0.3      93.5

OTHER UNIV                         6.        16       3.4       4.1      97.7

OTHER                              7.         9       1.9       2.3     100.0

                                   0.        86      18.2   MISSING     100.0
                                         ------    ------    ------
                                TOTAL       473     100.0     100.0

MEAN            1.444     STD ERR        0.070      MEDIAN        1.064
MODE            1.000     STD DEV        1.382      VARIANCE      1.911
KURTOSIS        8.404     SKEWNESS       3.124      RANGE         6.000
MINIMUM         1.000     MAXIMUM        7.000

VALID CASES       387     MISSING CASES     86
```

```
CPU TIME REQUIRED..      1.30 SECONDS


                  18 MULT RESPONSE  GROUPS= RQUEST1 I HAVEN'T USED THE COMPUTER CATALOG BECAUSE:
                  19                     (RQ1A TO RQ1K (1))   /
                  20                     FREQUENCIES=RQUEST1  /

'MULT RESPONSE' PROBLEM REQUIRES      88 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  11197 LABELS FOR FREQUENCIES
AND  22398 LABELS FOR TABLES.
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                    10/26/84        PAGE   37

FILE    NUQCOMB  (CREATION DATE = 09/20/84)

GROUP RQUEST1    I HAVEN'T USED THE COMPUTER CATALOG BECA
     (VALUE TABULATED =      1)

                                                                 PCT OF   PCT OF
DICHOTOMY LABEL                          NAME          COUNT  RESPONSES   CASES

DO NOT LIKE TO USE COMPUTERS             RQ1A            48        4.6     10.3

DID NOT KNOW THERE WAS A COMPUTER CATALO RQ1B           108       10.3     23.2

DO NOT KNOW WHERE IT IS                  RQ1C            62        5.9     13.3

NO TIME TO LEARN HOW TO USE IT           RQ1D           210       20.1     45.1

HAVE NOT TAKEN TRAINING SESSIONS ON USE  RQ1E           171       16.3     36.7

NO STAFF ASSISTANCE AT TERMINALS         RQ1F            45        4.3      9.7

TERMINALS ALL IN USE                     RQ1G            23        2.2      4.9

NO NEED TO USE ANY LIBRARY CATALOG       RQ1H           200       19.1     42.9

CARD CATALOG EASIER TO USE               RQ1I            74        7.1     15.9

CARD CATALOG CONTAINS MORE INFO I NEED   RQ1J            21        2.0      4.5

VISITOR-INFREQUENT USER OF LIBRARY       RQ1K            85        8.1     18.2
                                                     -------     -----    -----
                              TOTAL RESPONSES          1047      100.0    224.7

     7 MISSING CASES         466 VALID CASES
```

```
CPU TIME REQUIRED..    0.67 SECONDS


                 21 FREQUENCIES    GENERAL=RQ2 TO RQ13
                 22 STATISTICS     ALL

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                              10/26/84        PAGE   39
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ2       TIME NEEDED TO LEARN TO USE COMPUTER CAT

                                                    RELATIVE  ADJUSTED     CUM
                                         ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE      FREQ       (PCT)     (PCT)     (PCT)

DAY OR  MORE                       1.        26         5.5       5.6       5.6

HALF DAY - A DAY                   2.        18         3.8       3.9       9.5

1 HOUR- HALF DAY                   3.        41         8.7       8.9      18.4

30 MIN - 1 HOUR                    4.       105        22.2      22.7      41.1

15 - 30 MINUTES                    5.       120        25.4      26.0      67.1

0 - 15  MINUTES                    6.       152        32.1      32.9     100.0

                                   0.        11         2.3    MISSING    100.0
                                         ------      ------    ------
                                 TOTAL      473       100.0     100.0

MEAN            4.582      STD ERR        0.066      MEDIAN          4.842
MODE            6.000      STD DEV        1.411      VARIANCE        1.992
KURTOSIS        0.286      SKEWNESS      -0.966      RANGE           5.000
MINIMUM         1.000      MAXIMUM        6.000

VALID CASES       462      MISSING CASES     11
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                                   10/26/84       PAGE   40
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

RQ3        HOW DIFFICULT-EASY TO LEARN TO USE C C

                                                     RELATIVE  ADJUSTED     CUM
                                          ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                    CODE      FREQ      (PCT)     (PCT)     (PCT)

VERY     DIFFICULT                  1.         2        0.4       0.4       0.4

SOMEWHAT DIFFICULT                  2.        79       16.7      17.0      17.4

SOMEWHAT EASY                       3.       221       46.7      47.5      64.9

VERY     EASY                       4.       163       34.5      35.1     100.0

                                    0.         8        1.7    MISSING    100.0
                                          ------     ------    ------
                                 TOTAL       473      100.0     100.0

MEAN           3.172      STD ERR        0.033      MEDIAN        3.186
MODE           3.000      STD DEV        0.714      VARIANCE      0.509
KURTOSIS      -0.742      SKEWNESS      -0.335      RANGE         3.000
MINIMUM        1.000      MAXIMUM        4.000

VALID CASES      465      MISSING CASES      8
```

```
FILE    NUQCOMB   (CREATION DATE = 09/20/84)

RQ4        OVERALL ATTITUDE TOWARD COMPUTER CATALOG

                                                  RELATIVE   ADJUSTED     CUM
                                       ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                  CODE     FREQ      (PCT)      (PCT)      (PCT)

VERY FAVORABLE                    1.      211       44.6       47.1       47.1

SOMEWHAT FAVORABLE                2.      191       40.4       42.6       89.7

SOMEWHAT UNFAVORABLE              3.       35        7.4        7.8       97.5

VERY     UNFAVORABLE              4.       11        2.3        2.5      100.0

                                  0.       25        5.3    MISSING      100.0
                                       -------     ------     ------
                               TOTAL      473      100.0      100.0

MEAN           1.656      STD ERR          0.034       MEDIAN         1.568
MODE           1.000      STD DEV          0.728       VARIANCE       0.530
KURTOSIS       0.912      SKEWNESS         1.016       RANGE          3.000
MINIMUM        1.000      MAXIMUM          4.000

VALID CASES      448      MISSING CASES      25
```

```
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

RQ5        HOW LIKELY TO USE COMPUTER CAT IN FUTURE

                                                  RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)     (PCT)

VERY     LIKELY                    1.      182      38.5      39.1      39.1

SOMEWHAT LIKELY                    2.      166      35.1      35.6      74.7

SOMEWHAT UNLIKELY                  3.       73      15.4      15.7      90.3

VERY     UNLIKELY                  4.       45       9.5       9.7     100.0

                                   0.        7       1.5   MISSING     100.0
                                        ------    ------    ------
                                 TOTAL     473     100.0     100.0

MEAN           1.959     STD ERR         0.045      MEDIAN         1.807
MODE           1.000     STD DEV         0.966      VARIANCE       0.934
KURTOSIS      -0.471     SKEWNESS        0.728      RANGE          3.000
MINIMUM        1.000     MAXIMUM         4.000

VALID CASES      466     MISSING CASES       7
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                               10/26/84        PAGE

FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ6       COMPUTER--CARD CATALOG COMPARISON


                                                     RELATIVE  ADJUSTED     CUM
                                           ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                     CODE      FREQ     (PCT)     (PCT)     (PCT)

BETTER                               1.       132      27.9      31.2      31.2

EQUAL                                2.        55      11.6      13.0      44.2

WORSE                                3.        15       3.2       3.5      47.8

CAN'T   DECIDE                       4.       221      46.7      52.2     100.0

                                     0.        50      10.6   MISSING     100.0
                                          -------   -------   -------
                                  TOTAL       473     100.0     100.0


MEAN            2.768      STD ERR        0.066      MEDIAN        3.543
MODE            4.000      STD DEV        1.361      VARIANCE      1.851
KURTOSIS       -1.746      SKEWNESS      -0.323      RANGE         3.000
MINIMUM         1.000      MAXIMUM        4.000

VALID CASES       423      MISSING CASES     50
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                        10/26/84        PAGE   4
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ7       I USE THIS LIBRARY

                                               RELATIVE  ADJUSTED    CUM
                                     ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL               CODE      FREQ     (PCT)     (PCT)     (PCT)

DAILY                          1.       167      35.3      35.8      35.8

WEEKLY                         2.       193      40.8      41.4      77.3

MONTHLY                        3.        63      13.3      13.5      90.8

4 TIMES A YEAR                 4.        26       5.5       5.6      96.4

ONCE A  YEAR                   5.         5       1.1       1.1      97.4

NOT BEFORE TODAY               6.        12       2.5       2.6     100.0

                               0.         7       1.5   MISSING     100.0
                                     ------    ------    ------
                             TOTAL      473     100.0     100.0

MEAN          2.024     STD ERR       0.051       MEDIAN        1.842
MODE          2.000     STD DEV       1.108       VARIANCE      1.227
KURTOSIS      2.808     SKEWNESS      1.535       RANGE         5.000
MINIMUM       1.000     MAXIMUM       6.000

VALID CASES     466     MISSING CASES     7
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES                                        10/26/84        PAGE   45
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ8       I USE LIBRARY'S OTHER CATALOGS

                                                    RELATIVE   ADJUSTED     CUM
                                         ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                    CODE     FREQ      (PCT)      (PCT)      (PCT)

EVERY   VISIT                       1.       29        6.1        6.3        6.3

MOST    VISITS                      2.       80       16.9       17.3       23.5

OCCASIONALLY                        3.      167       35.3       36.1       59.6

RARELY                              4.      131       27.7       28.3       87.9

NOT BEFORE TODAY                    5.       56       11.8       12.1      100.0

                                    0.       10        2.1    MISSING      100.0
                                          ------     ------     ------
                                 TOTAL      473      100.0      100.0

MEAN          3.227      STD ERR        0.050        MEDIAN          3.234
MODE          3.000      STD DEV        1.068        VARIANCE        1.141
KURTOSIS     -0.502      SKEWNESS      -0.173        RANGE           4.000
MINIMUM       1.000      MAXIMUM        5.000

VALID CASES     463      MISSING CASES     10
```

```
RQ9        I USE ANOTHER COMPUTER SYSTEM

                                              RELATIVE  ADJUSTED     CUM
                                   ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL             CODE      FREQ      (PCT)     (PCT)     (PCT)

DAILY                        1.        52       11.0      11.4      11.4

WEEKLY                       2.        49       10.4      10.8      22.2

MONTHLY                      3.        41        8.7       9.0      31.2

4 TIMES A YEAR               4.        40        8.5       8.8      40.0

ONCE A  YEAR                 5.        35        7.4       7.7      47.7

NEVER                        6.       238       50.3      52.3     100.0

                             0.        18        3.8   MISSING     100.0
                                   ------     ------    ------
                          TOTAL       473      100.0     100.0

MEAN             4.475     STD ERR          0.088      MEDIAN          5.544
MODE             6.000     STD DEV          1.871      VARIANCE        3.501
KURTOSIS        -1.034     SKEWNESS        -0.746      RANGE           5.000
MINIMUM          1.000     MAXIMUM          6.000

VALID CASES        455     MISSING CASES      18
```

```
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ10      MY AGE GROUP IS

                                                      RELATIVE   ADJUSTED     CUM
                                          ABSOLUTE      FREQ       FREQ       FREQ
CATEGORY LABEL                     CODE     FREQ       (PCT)      (PCT)      (PCT)

14 AND  UNDER                        1.        2         0.4        0.4        0.4

15 - 19 YEARS                        2.       65        13.7       13.9       14.4

20 - 24 YEARS                        3.      187        39.5       40.1       54.5

25 - 34 YEARS                        4.      142        30.0       30.5       85.0

35 - 44 YEARS                        5.       49        10.4       10.5       95.5

45 - 54 YEARS                        6.       14         3.0        3.0       98.5

55 - 64 YEARS                        7.        5         1.1        1.1       99.6

65 AND  OVER                         8.        2         0.4        0.4      100.0

                                     0.        7         1.5     MISSING     100.0
                                            ------      ------     ------
                                   TOTAL     473       100.0      100.0

MEAN             3.521      STD ERR        0.050      MEDIAN          3.388
MODE             3.000      STD DEV        1.078      VARIANCE        1.162
KURTOSIS         1.417      SKEWNESS       0.845      RANGE           7.000
MINIMUM          1.000      MAXIMUM        8.000

VALID CASES       466       MISSING CASES      7
```

```
FILE    NUQCOMB  (CREATION DATE = 09/20/84)

RQ11      SEX

                                                  RELATIVE  ADJUSTED     CUM
                                        ABSOLUTE    FREQ      FREQ      FREQ
CATEGORY LABEL                   CODE     FREQ     (PCT)     (PCT)     (PCT)

FEMALE                             1.      256      54.1      54.9      54.9

MALE                               2.      210      44.4      45.1     100.0

                                   0.        7       1.5   MISSING     100.0
                                        ------    ------    ------
                                TOTAL      473     100.0     100.0

MEAN           1.451      STD ERR         0.023       MEDIAN         1.410
MODE           1.000      STD DEV         0.498       VARIANCE       0.248
KURTOSIS      -1.969      SKEWNESS        0.199       RANGE          1.000
MINIMUM        1.000      MAXIMUM         2.000

VALID CASES      466      MISSING CASES       7
```

```
RQ12      CURRENT OR HIGHEST GRADE COMPLETED

                                                   RELATIVE  ADJUSTED    CUM
                                        ABSOLUTE     FREQ      FREQ      FREQ
CATEGORY LABEL                  CODE      FREQ       (PCT)     (PCT)     (PCT)

GRADE    SCHOOL                   1.          1        0.2       0.2       0.2

HIGH     SCHOOL                   2.         11        2.3       2.4       2.6

SOME     COLLEGE                  3.        208       44.0      44.6      47.2

COLLEGE GRAD                      4.        246       52.0      52.8     100.0

                                  0.          7        1.5   MISSING     100.0
                                          ------    ------    ------
                                 TOTAL      473      100.0     100.0

MEAN           3.500      STD ERR         0.026      MEDIAN          3.553
MODE           4.000      STD DEV         0.557      VARIANCE        0.311
KURTOSIS      -0.242      SKEWNESS       -0.598      RANGE           3.000
MINIMUM        1.000      MAXIMUM         4.000

VALID CASES      466      MISSING CASES       7
```

```
RQ13       MY ACADEMIC AREA IS

                                                 RELATIVE   ADJUSTED     CUM
                                      ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                 CODE     FREQ      (PCT)      (PCT)      (PCT)

ART & HUMANITIES                 1.      121       25.6       27.7       27.7

PHYS-BIO SCIENCES                2.       35        7.4        8.0       35.7

SOCIAL  SCIENCES                 3.       56       11.8       12.8       48.5

BUSINESS-MANAGEMENT              4.       94       19.9       21.5       70.0

EDUCATION                        5.       16        3.4        3.7       73.7

ENGINEERING                      6.       21        4.4        4.8       78.5

MEDICAL-HEALTH                   7.       49       10.4       11.2       89.7

LAW                              8.       22        4.7        5.0       94.7

MAJOR UNDECLARED                 9.       16        3.4        3.7       98.4

INTERDISCIPLINARY               10.        7        1.5        1.6      100.0

                                 0.       36        7.6    MISSING      100.0
                                       ------     ------     ------
                              TOTAL      473      100.0      100.0

MEAN           3.831     STD ERR        0.122       MEDIAN         3.569
MODE           1.000     STD DEV        2.542       VARIANCE       6.462
KURTOSIS      -0.691     SKEWNESS       0.597       RANGE          9.000
MINIMUM        1.000     MAXIMUM       10.000

VALID CASES      437     MISSING CASES     36
```

```
CPU TIME REQUIRED..     1.88 SECONDS


               23 MULT RESPONSE  GROUPS= RQUEST14   THE MAIN FOCUS OF MY ACADEMIC WORK IS:
               24                   (RQ14A TO RQ14C (1))  /
               25                   FREQUENCIES=RQUEST14 /

'MULT RESPONSE' PROBLEM REQUIRES      56 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  11198 LABELS FOR FREQUENCIES
AND  22398 LABELS FOR TABLES.
```

```
CLR NON-USER QUESTIONNAIRE FREQUENCIES
FILE   NUQCOMB  (CREATION DATE = 09/20/84)                                    10/26/84        PAGE   52

GROUP RQUEST14  THE MAIN FOCUS OF MY ACADEMIC WORK IS:
     (VALUE TABULATED =      1)

DICHOTOMY LABEL                                                   PCT OF   PCT OF
                                        NAME        COUNT   RESPONSES   CASES
COURSE WORK
                                        RQ14A         356       70.8     81.8
TEACHING
                                        RQ14B          40        8.0      9.2
RESEARCH
                                        RQ14C         107       21.3     24.6
                                                   -------     -----    -----
                                 TOTAL RESPONSES      503      100.0    115.6

    38 MISSING CASES          435 VALID CASES
```

```
CPU TIME REQUIRED..     0.62 SECONDS


                  26 FREQUENCIES     GENERAL=RQ15
                  27 STATISTICS      ALL

GIVEN WORKSPACE ALLOWS FOR  32000 VALUES AND   9600 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
FILE   NUQCOMB  (CREATION DATE = 09/20/84)

RQ15      PRESENT AFFILIATION

                                                      RELATIVE  ADJUSTED     CUM
                                           ABSOLUTE     FREQ      FREQ       FREQ
CATEGORY LABEL                     CODE      FREQ      (PCT)     (PCT)      (PCT)

FRESHMAN-SOPHOM                      1.        94      19.9      21.5       21.5

JUNIOR--SENIOR                       2.       128      27.1      29.3       50.8

GRADUATE-MASTERS LEV                 3.        94      19.9      21.5       72.3

GRADUATE-DOCTORAL LE                 4.        29       6.1       6.6       78.9

GRADUATE-PROFESSIONA                 5.        42       8.9       9.6       88.6

FACULTY                              6.         6       1.3       1.4       89.9

STAFF                                7.         5       1.1       1.1       91.1

OTHER                                8.        39       8.2       8.9      100.0

                                     0.        36       7.6    MISSING     100.0
                                           ------    ------    ------
                                 TOTAL        473     100.0     100.0

MEAN           3.069      STD ERR        0.097      MEDIAN         2.473
MODE           2.000      STD DEV        2.036      VARIANCE       4.147
KURTOSIS       0.657      SKEWNESS       1.220      RANGE          7.000
MINIMUM        1.000      MAXIMUM        8.000

VALID CASES      437      MISSING CASES     36
```

Appendix H

CLR Non-user Comparison with ARL Libraries

```
SPSS BATCH SYSTEM                                                                    11/28/84        PAGE     1

SPSS FOR OS/360, VERSION H, RELEASE 9A, SEPTEMBER 15, 1980

                              CURRENT DOCUMENTATION FOR THE SPSS BATCH SYSTEM
ORDER FROM MCGRAW-HILL:  SPSS, 2ND ED. (PRINCIPAL TEXT)       ORDER FROM SPSS INC.:  SPSS STATISTICAL ALGORITHMS
                         SPSS PRIMER (BRIEF INTRO TO SPSS)                           SPSS POCKET GUIDE, RELEASE 8
                         SPSS UPDATE (USE W/SPSS,2ND FOR REL. 7 & 8)                 KEYWORDS: THE SPSS INC. NEWSLETTER


DEFAULT SPACE ALLOCATION..     ALLOWS FOR..  1536 TRANSFORMATIONS
WORKSPACE   1075200 BYTES                    6144 RECODE VALUES + LAG VARIABLES
TRANSPACE    153600 BYTES                   20000 IF/COMPUTE OPERATIONS

                1 RUN NAME       NYU AND OTHER ACADEMIC LIBRARIES
                2 GET FILE       NUQCOMB

EXPECTED FILE NUQCOMB  FOUND FILE NUQSYS



                       FILE NUQSYS   HAS  62 VARIABLES

                       THE SUBFILES ARE..

                                   NO OF
                       NAME        CASES

                       NUQSYS       3981



CPU TIME REQUIRED..    0.13 SECONDS



                3 ADD CASES      498
                4 INPUT MEDIUM   DISK
                5 INPUT FORMAT   BINARY  (2(20V/),19V)

THE INPUT FORMAT PROVIDES FOR  59 VARIABLES.   59 WILL BE READ
IT PROVIDES FOR  3 RECORDS ('CARDS') PER CASE.  A MAXIMUM OF   80 'COLUMNS' ARE USED ON A RECORD.

                6 SELECT IF      (LIBTYPE EQ 1)
                7 SELECT IF      (LIBSYS NE 'GBA')
                8 COMPUTE        LIBTYPE2 = 2
                9 IF             (LIBSYS EQ 'NYO') LIBSYS = 'NYU'
               10 IF             (LIBSYS EQ 'NYU') LIBTYPE2 = 1
               11 VAR LABELS     LIBTYPE2  RECODED LIBRARY TYPE /
               12 VALUE LABELS   LIBTYPE2 (1) NYU (2) OTHER ACADEMIC /
               13 FREQUENCIES    GENERAL= LIBSYS,  LIBTYPE, LIBGRP
               14 OPTIONS        6

GIVEN WORKSPACE ALLOWS FOR  32767 VALUES AND  40653 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

```
NYU AND OTHER ACADEMIC LIBRARIES                                          11/28/84      PAGE    3
FILE   NUQSYS   (CREATION DATE = 08/03/82)

LIBSYS    LIBRARY SYSTEM

                                               RELATIVE   ADJUSTED    CUM
                                    ABSOLUTE     FREQ       FREQ      FREQ
CATEGORY LABEL             CODE       FREQ      (PCT)      (PCT)     (PCT)

DARTMOUTH                  DAR         232       11.6       11.6      11.6

NORTHWESTERN               NOR         276       13.8       13.8      25.4

                           NYU         473       23.6       23.6      49.0

                           NYO           1        0.0        0.0      49.0

OHIO STATE                 OHI         282       14.1       14.1      63.1

STANFORD                   SUL         342       17.1       17.1      80.2

SYRACUSE                   SYR         294       14.7       14.7      94.9

TEXAS                      TCL         103        5.1        5.1     100.0
                                    ------     ------     ------
                          TOTAL       2003      100.0      100.0

VALID CASES     2003      MISSING CASES      0
```

```
NYU AND OTHER ACADEMIC LIBRARIES                                                   11/28/84        PAGE    4
FILE    NUQSYS    (CREATION DATE = 08/03/82)

LIBTYPE    LIBRARY GROUPING BY TYPE OF LIBRARY

                                                RELATIVE   ADJUSTED     CUM
                                     ABSOLUTE     FREQ       FREQ       FREQ
CATEGORY LABEL                CODE     FREQ       (PCT)      (PCT)      (PCT)

ARL LIBS                        1.     2003       100.0      100.0      100.0
                                     -------    -------    -------
                             TOTAL     2003       100.0      100.0

VALID CASES     2003       MISSING CASES     0
```

```
NYU AND OTHER ACADEMIC LIBRARIES
FILE    NUQSYS    (CREATION DATE = 08/03/82)

LIBGRP    LIBRARY GROUPING BY PRINCIPAL INVESTIGAT

                                                   RELATIVE   ADJUSTED     CUM
                                       ABSOLUTE      FREQ       FREQ       FREQ
                              CODE       FREQ        (PCT)      (PCT)      (PCT)
CATEGORY LABEL

RLG GROUP                       3.        850         42.4       55.6       55.6

OCLC GROUP                      4.        679         33.9       44.4      100.0

                                0.        474         23.7     MISSING     100.0
                                        -------     -------    -------
                              TOTAL      2003        100.0      100.0

VALID CASES     1529      MISSING CASES    474
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NYU AND OTHER ACADEMIC LIBRARIES

TRANSPACE REQUIRED..      500 BYTES
      5 TRANSFORMATIONS
      0 RECODE VALUES + LAG VARIABLES
     18 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED..    8.17 SECONDS

                  16 MULT RESPONSE  GROUPS= QUEST1 I HAVEN'T USED THE COMPUTER CATALOG BECAUSE:
                  17                  (QST1A TO QST1K (1))    /
                  18                  VARIABLES=LIBTYPE2 (1,7) /
                  19                  TABLES=QUEST1 BY LIBTYPE2 /
                  20 STATISTICS     ALL

'MULT RESPONSE' PROBLEM REQUIRES     428 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26869 LABELS FOR FREQUENCIES
AND  53738 LABELS FOR TABLES.
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NYU AND OTHER ACADEMIC LIBRARIES                                                    11/28/84       PAGE    7

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * * * *
   QUEST1   (TABULATING     1) I HAVEN'T USED THE COMPUTER CATALOG BECA
BY LIBTYPE2 RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   2

                        LIBTYPE2

                  COUNT  INYU       OTHER AC
                ROW PCT  I          ADEMIC      ROW
                COL PCT  I                      TOTAL
                TAB PCT  I      1  I      2  I
QUEST1          ---------I---------I---------I
            QST1A        I     48  I    150  I    198
  DO NOT LIKE TO USE C   I   24.2  I   75.8  I   10.1
                         I   10.3  I   10.0  I
                         I    2.5  I    7.7  I
                         I---------I---------I
            QST1B        I    108  I    422  I    530
  DID NOT KNOW THERE W   I   20.4  I   79.6  I   27.1
                         I   23.2  I   28.3  I
                         I    5.5  I   21.5  I
                         I---------I---------I
            QST1C        I     62  I    289  I    351
  DO NOT KNOW WHERE IT   I   17.7  I   82.3  I   17.9
                         I   13.3  I   19.4  I
                         I    3.2  I   14.8  I
                         I---------I---------I
            QST1D        I    210  I    618  I    828
  NO TIME TO LEARN HOW   I   25.4  I   74.6  I   42.3
                         I   45.1  I   41.4  I
                         I   10.7  I   31.5  I
                         I---------I---------I
            QST1E        I    171  I    672  I    843
  HAVE NOT TAKEN TRAIN   I   20.3  I   79.7  I   43.0
                         I   36.7  I   45.0  I
                         I    8.7  I   34.3  I
                         I---------I---------I
            QST1F        I     45  I    117  I    162
  NO STAFF ASSISTANCE    I   27.8  I   72.2  I    8.3
                         I    9.7  I    7.8  I
                         I    2.3  I    6.0  I
                         I---------I---------I
                 COLUMN       466      1493      1959
                  TOTAL      23.8      76.2     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

(CONTINUED)
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NYU AND OTHER ACADEMIC LIBRARIES                                               11/28/84        PAGE    8

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * *
   QUEST1   (TABULATING     1) I HAVEN'T USED THE COMPUTER CATALOG BECA
BY LIBTYPE2 RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   2 OF   2

                        LIBTYPE2

                 COUNT  INYU      OTHER AC
               ROW PCT  I         ADEMIC      ROW
               COL PCT  I                     TOTAL
               TAB PCT  I      1  I      2  I
QUEST1         --------I--------I--------I
              QST1G     I     23  I     32  I     55
  TERMINALS ALL IN USE  I   41.8  I   58.2  I    2.8
                        I    4.9  I    2.1  I
                        I    1.2  I    1.6  I
                        I--------I--------I
              QST1H     I    200  I    625  I    825
  NO NEED TO USE ANY L  I   24.2  I   75.8  I   42.1
                        I   42.9  I   41.9  I
                        I   10.2  I   31.9  I
                        I--------I--------I
              QST1I     I     74  I    256  I    330
  CARD CATALOG EASIER   I   22.4  I   77.6  I   16.8
                        I   15.9  I   17.1  I
                        I    3.8  I   13.1  I
                        I--------I--------I
              QST1J     I     21  I     57  I     78
  CARD CATALOG CONTAIN  I   26.9  I   73.1  I    4.0
                        I    4.5  I    3.8  I
                        I    1.1  I    2.9  I
                        I--------I--------I
              QST1K     I     85  I    355  I    440
  VISITOR-INFREQUENT U  I   19.3  I   80.7  I   22.5
                        I   18.2  I   23.8  I
                        I    4.3  I   18.1  I
                        I--------I--------I
                COLUMN       466      1493      1959
                 TOTAL      23.8      76.2     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   1959 VALID CASES          44 MISSING CASES
```

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CPU TIME REQUIRED..    4.18 SECONDS

             21 CROSSTABS      TABLES=QST2 TO QST13 BY LIBTYPE2
             22 STATISTICS     ALL

***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
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NYU AND OTHER ACADEMIC LIBRARIES                                                          11/28/84       PAGE   10
FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *    C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
   QST2       TIME NEEDED TO LEARN TO USE COMPUTER CAT      BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                   LIBTYPE2
           COUNT  I
         ROW PCT  INYU        OTHER AC    ROW
         COL PCT  I           ADEMIC      TOTAL
         TOT PCT  I       1.I       2.I
QST2     --------I---------I---------I
              1.  I    26   I    33   I     59
  DAY OR  MORE    I   44.1  I   55.9  I    3.0
                  I    5.6  I    2.2  I
                  I    1.3  I    1.7  I
                 -I---------I---------I
              2.  I    18   I    48   I     66
  HALF DAY - A DAY I  27.3  I   72.7  I    3.4
                  I    3.9  I    3.2  I
                  I    0.9  I    2.5  I
                 -I---------I---------I
              3.  I    41   I   126   I    167
 1 HOUR- HALF DAY I   24.6  I   75.4  I    8.6
                  I    8.9  I    8.5  I
                  I    2.1  I    6.5  I
                 -I---------I---------I
              4.  I   105   I   318   I    423
 30 MIN - 1 HOUR  I   24.8  I   75.2  I   21.7
                  I   22.7  I   21.3  I
                  I    5.4  I   16.3  I
                 -I---------I---------I
              5.  I   120   I   402   I    522
 15 - 30 MINUTES  I   23.0  I   77.0  I   26.7
                  I   26.0  I   27.0  I
                  I    6.1  I   20.6  I
                 -I---------I---------I
              6.  I   152   I   563   I    715
 0 - 15  MINUTES  I   21.3  I   78.7  I   36.6
                  I   32.9  I   37.8  I
                  I    7.8  I   28.8  I
                 -I---------I---------I
          COLUMN      462       1490      1952
           TOTAL     23.7       76.3     100.0

CHI SQUARE =      16.88005 WITH    5 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0047
CRAMER'S V =      0.09299
CONTINGENCY COEFFICIENT =      0.09259
LAMBDA (ASYMMETRIC) =  0.0        WITH QST2      DEPENDENT.            =  0.0      WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00261 WITH QST2      DEPENDENT.           =  0.00708 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00382
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KENDALL'S TAU B =     0.05609  SIGNIFICANCE =  0.0033
KENDALL'S TAU C =     0.05792  SIGNIFICANCE =  0.0033
GAMMA =     0.10729
SOMERS'S D (ASYMMETRIC) =  0.08016 WITH QST2     DEPENDENT.          =  0.03925 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.05269
ETA =  0.07530 WITH QST2     DEPENDENT.          =  0.09303 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.07531  SIGNIFICANCE =  0.0004

NUMBER OF MISSING OBSERVATIONS =      51
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NYU AND OTHER ACADEMIC LIBRARIES                                                    11/28/84        PAGE   12
FILE    NUQSYS    (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * *
     QST3       HOW DIFFICULT-EASY TO LEARN TO USE C C        BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LIBTYPE2
            COUNT   I
            ROW PCT INYU        OTHER AC    ROW
            COL PCT I           ADEMIC      TOTAL
            TOT PCT I       1.I      2.I
QST3        --------I--------I--------I
                 1. I      2  I      9  I      11
   VERY    DIFFICUL I   18.2  I   81.8  I     0.6
                    I    0.4  I    0.6  I
                    I    0.1  I    0.5  I
                   -I---------I---------I
                 2. I     79  I    219  I     298
  SOMEWHAT DIFFICU  I   26.5  I   73.5  I    15.1
                    I   17.0  I   14.5  I
                    I    4.0  I   11.1  I
                   -I---------I---------I
                 3. I    221  I    701  I     922
  SOMEWHAT EASY     I   24.0  I   76.0  I    46.8
                    I   47.5  I   46.5  I
                    I   11.2  I   35.5  I
                   -I---------I---------I
                 4. I    163  I    578  I     741
  VERY     EASY     I   22.0  I   78.0  I    37.6
                    I   35.1  I   38.4  I
                    I    8.3  I   29.3  I
                   -I---------I---------I
            COLUMN       465      1507       1972
             TOTAL      23.6      76.4      100.0

     1 OUT OF      8 ( 12.5%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =   2.594
CHI SQUARE =       2.70539 WITH    3 DEGREES OF FREEDOM    SIGNIFICANCE =  0.4393
CRAMER'S V =      0.03704
CONTINGENCY COEFFICIENT =       0.03701
LAMBDA (ASYMMETRIC) =  0.0       WITH QST3      DEPENDENT.          =  0.0      WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00066 WITH QST3      DEPENDENT.          =  0.00125 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00086
KENDALL'S TAU B =     0.03189  SIGNIFICANCE =  0.0687
KENDALL'S TAU C =     0.03009  SIGNIFICANCE =  0.0687
GAMMA =     0.06735
SOMERS'S D (ASYMMETRIC) =  0.04174 WITH QST3      DEPENDENT.          =  0.02437 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.03077
ETA =  0.03241 WITH QST3      DEPENDENT.          =  0.03714 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.03245  SIGNIFICANCE =  0.0749

NUMBER OF MISSING OBSERVATIONS =       31
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NYU AND OTHER ACADEMIC LIBRARIES                                                              11/28/84        PAGE   13
FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * *
    QST4      OVERALL ATTITUDE TOWARD COMPUTER CATALOG      BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE  1 OF  1

                        LIBTYPE2
              COUNT   I
              ROW PCT INYU       OTHER AC   ROW
              COL PCT I          ADEMIC     TOTAL
              TOT PCT I      1.I      2.I
QST4          --------I--------I--------I
                   1. I   211  I   626  I    837
  VERY FAVORABLE      I  25.2  I  74.8  I   44.0
                      I  47.1  I  43.0  I
                      I  11.1  I  32.9  I
                     -I--------I--------I
                   2. I   191  I   699  I    890
  SOMEWHAT FAVORAB    I  21.5  I  78.5  I   46.8
                      I  42.6  I  48.0  I
                      I  10.0  I  36.7  I
                     -I--------I--------I
                   3. I    35  I   106  I    141
  SOMEWHAT UNFAVOR    I  24.8  I  75.2  I    7.4
                      I   7.8  I   7.3  I
                      I   1.8  I   5.6  I
                     -I--------I--------I
                   4. I    11  I    24  I     35
  VERY     UNFAVORA   I  31.4  I  68.6  I    1.8
                      I   2.5  I   1.6  I
                      I   0.6  I   1.3  I
                     -I--------I--------I
             COLUMN       448     1455      1903
              TOTAL      23.5     76.5     100.0

CHI SQUARE =     4.77219 WITH   3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.1893
CRAMER'S V =    0.05008
CONTINGENCY COEFFICIENT =     0.05001
LAMBDA (ASYMMETRIC) =  0.01974 WITH QST4     DEPENDENT.           =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01369
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00126 WITH QST4     DEPENDENT.           =  0.00227 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00162
KENDALL'S TAU B =     0.02281  SIGNIFICANCE =  0.1512
KENDALL'S TAU C =     0.02088  SIGNIFICANCE =  0.1512
GAMMA =    0.04946
SOMERS'S D (ASYMMETRIC) =  0.02901 WITH QST4     DEPENDENT.           =  0.01794 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.02217
ETA =  0.01201 WITH QST4     DEPENDENT.           =  0.05013 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.01186  SIGNIFICANCE =  0.3026

NUMBER OF MISSING OBSERVATIONS =      100
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 NYU AND OTHER ACADEMIC LIBRARIES                                                    11/28/84        PAGE   14
 FILE   NUQSYS   (CREATION DATE = 08/03/82)
 * * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * * *
     QST5      HOW LIKELY TO USE COMPUTER CAT IN FUTURE     BY  LIBTYPE2  RECODED LIBRARY TYPE
 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LIBTYPE2
            COUNT   I
           ROW PCT  INYU      OTHER AC   ROW
           COL PCT  I         ADEMIC     TOTAL
           TOT PCT  I      1.I      2.I
QST5       ---------I--------I--------I
               1.   I   182  I   431  I    613
  VERY     LIKELY   I  29.7  I  70.3  I   31.3
                    I  39.1  I  28.9  I
                    I   9.3  I  22.0  I
                   -I--------I--------I
               2.   I   166  I   631  I    797
  SOMEWHAT LIKELY   I  20.8  I  79.2  I   40.7
                    I  35.6  I  42.3  I
                    I   8.5  I  32.2  I
                   -I--------I--------I
               3.   I    73  I   278  I    351
  SOMEWHAT UNLIKEL  I  20.8  I  79.2  I   17.9
                    I  15.7  I  18.6  I
                    I   3.7  I  14.2  I
                   -I--------I--------I
               4.   I    45  I   153  I    198
  VERY     UNLIKELY I  22.7  I  77.3  I   10.1
                    I   9.7  I  10.2  I
                    I   2.3  I   7.8  I
                   -I--------I--------I
           COLUMN       466     1493      1959
            TOTAL      23.8     76.2     100.0

CHI SQUARE =     17.48410 WITH   3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0006
CRAMER'S V =     0.09447
CONTINGENCY COEFFICIENT =     0.09405
LAMBDA (ASYMMETRIC) =  0.01377 WITH QST5     DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.00983
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00343 WITH QST5     DEPENDENT.          =  0.00794 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00479
KENDALL'S TAU B =     0.06921  SIGNIFICANCE =  0.0005
KENDALL'S TAU C =     0.06945  SIGNIFICANCE =  0.0005
GAMMA =     0.13727
SOMERS'S D (ASYMMETRIC) =  0.09576 WITH QST5     DEPENDENT.          =  0.05001 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.06571
ETA =  0.06460 WITH QST5     DEPENDENT.          =  0.09450 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.06460  SIGNIFICANCE =  0.0021

NUMBER OF MISSING OBSERVATIONS =      44
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NYU AND OTHER ACADEMIC LIBRARIES                                                  11/28/84         PAGE   15

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    QST6      COMPUTER--CARD CATALOG COMPARISON                BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LIBTYPE2
             COUNT   I
           ROW PCT   INYU        OTHER AC    ROW
           COL PCT   I           ADEMIC      TOTAL
           TOT PCT   I       1.I       2.I
QST6       --------+---------+---------I
                1.   I   132   I   395   I    527
  BETTER             I  25.0   I  75.0   I   29.3
                     I  31.2   I  28.7   I
                     I   7.3   I  22.0   I
                   -I---------I---------I
                2.   I    55   I   224   I    279
  EQUAL              I  19.7   I  80.3   I   15.5
                     I  13.0   I  16.3   I
                     I   3.1   I  12.5   I
                   -I---------I---------I
                3.   I    15   I    46   I     61
  WORSE              I  24.6   I  75.4   I    3.4
                     I   3.5   I   3.3   I
                     I   0.8   I   2.6   I
                   -I---------I---------I
                4.   I   221   I   711   I    932
  CAN'T   DECIDE     I  23.7   I  76.3   I   51.8
                     I  52.2   I  51.7   I
                     I  12.3   I  39.5   I
                   -I---------I---------I
            COLUMN       423      1376      1799
             TOTAL      23.5      76.5     100.0

CHI SQUARE =      2.98973 WITH   3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.3932
CRAMER'S V =     0.04077
CONTINGENCY COEFFICIENT =     0.04073
LAMBDA (ASYMMETRIC) =  0.0      WITH QST6     DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00077 WITH QST6     DEPENDENT.          =  0.00157 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00104
KENDALL'S TAU B =     0.00499  SIGNIFICANCE =  0.4114
KENDALL'S TAU C =     0.00472  SIGNIFICANCE =  0.4114
GAMMA =     0.01061
SOMERS'S D (ASYMMETRIC) =  0.00656 WITH QST6     DEPENDENT.          =  0.00380 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00481
ETA =  0.00365 WITH QST6     DEPENDENT.          =  0.04088 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.00363  SIGNIFICANCE =  0.4388

NUMBER OF MISSING OBSERVATIONS =      204
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NYU AND OTHER ACADEMIC LIBRARIES                                                    11/28/84       PAGE  16

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * *
   QST7      I USE THIS LIBRARY                                  BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                      LIBTYPE2
             COUNT   I
             ROW PCT INYU       OTHER AC   ROW
             COL PCT I          ADEMIC     TOTAL
             TOT PCT I      1.I      2.I
QST7         --------I--------I--------I
                  1. I   167  I   575  I   742
  DAILY              I  22.5  I  77.5  I  37.7
                     I  35.8  I  38.3  I
                     I   8.5  I  29.2  I
                    -I--------I--------I
                  2. I   193  I   541  I   734
  WEEKLY             I  26.3  I  73.7  I  37.3
                     I  41.4  I  36.0  I
                     I   9.8  I  27.5  I
                    -I--------I--------I
                  3. I    63  I   181  I   244
  MONTHLY            I  25.8  I  74.2  I  12.4
                     I  13.5  I  12.0  I
                     I   3.2  I   9.2  I
                    -I--------I--------I
                  4. I    26  I   117  I   143
  4 TIMES A YEAR     I  18.2  I  81.8  I   7.3
                     I   5.6  I   7.8  I
                     I   1.3  I   5.9  I
                    -I--------I--------I
                  5. I     5  I    24  I    29
  ONCE A  YEAR       I  17.2  I  82.8  I   1.5
                     I   1.1  I   1.6  I
                     I   0.3  I   1.2  I
                    -I--------I--------I
                  6. I    12  I    65  I    77
  NOT BEFORE TODAY   I  15.6  I  84.4  I   3.9
                     I   2.6  I   4.3  I
                     I   0.6  I   3.3  I
                    -I--------I--------I
              COLUMN     466     1503     1969
               TOTAL    23.7     76.3    100.0

CHI SQUARE =     9.81209 WITH   5 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0807
CRAMER'S V =    0.07059
CONTINGENCY COEFFICIENT =    0.07042
LAMBDA (ASYMMETRIC) =  0.02119 WITH QST7     DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.01536
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00189 WITH QST7     DEPENDENT.          =  0.00474 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00270
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KENDALL'S TAU B =     0.00612  SIGNIFICANCE =  0.3844
KENDALL'S TAU C =     0.00614  SIGNIFICANCE =  0.3844
GAMMA =     0.01228
SOMERS'S D (ASYMMETRIC) =  0.00850 WITH QST7     DEPENDENT.          =  0.00441 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00581
ETA =  0.03112 WITH QST7     DEPENDENT.          =  0.07063 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.03110  SIGNIFICANCE =  0.0838

NUMBER OF MISSING OBSERVATIONS =       34
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NYU AND OTHER ACADEMIC LIBRARIES
                                                                          11/28/84        PAGE   18
FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    QST8      I USE LIBRARY'S OTHER CATALOGS                    BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *   PAGE  1 OF  1

                    LIBTYPE2
              COUNT  I
            ROW PCT  INYU        OTHER AC    ROW
            COL PCT  I           ADEMIC      TOTAL
            TOT PCT  I       1.I       2.I
QST8        --------I---------I---------I
                 1.  I    29   I   111   I    140
  EVERY    VISIT     I  20.7   I  79.3   I    7.2
                     I   6.3   I   7.4   I
                     I   1.5   I   5.7   I
                    -I---------I---------I
                 2.  I    80   I   234   I    314
  MOST     VISITS    I  25.5   I  74.5   I   16.1
                     I  17.3   I  15.7   I
                     I   4.1   I  12.0   I
                    -I---------I---------I
                 3.  I   167   I   513   I    680
  OCCASIONALLY       I  24.6   I  75.4   I   34.8
                     I  36.1   I  34.4   I
                     I   8.5   I  26.2   I
                    -I---------I---------I
                 4.  I   131   I   454   I    585
  RARELY             I  22.4   I  77.6   I   29.9
                     I  28.3   I  30.4   I
                     I   6.7   I  23.2   I
                    -I---------I---------I
                 5.  I    56   I   181   I    237
  NOT BEFORE TODAY   I  23.6   I  76.4   I   12.1
                     I  12.1   I  12.1   I
                     I   2.9   I   9.3   I
                    -I---------I---------I
             COLUMN      463      1493      1956
              TOTAL     23.7      76.3     100.0

CHI SQUARE =      2.07027 WITH   4 DEGREES OF FREEDOM   SIGNIFICANCE =  0.7228
CRAMER'S V =     0.03253
CONTINGENCY COEFFICIENT =     0.03252
LAMBDA (ASYMMETRIC) =  0.0      WITH QST8     DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00036 WITH QST8     DEPENDENT.          =  0.00098 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00053
KENDALL'S TAU B =     0.00938  SIGNIFICANCE =  0.3243
KENDALL'S TAU C =     0.00973  SIGNIFICANCE =  0.3243
GAMMA =     0.01811
SOMERS'S D (ASYMMETRIC) =  0.01347 WITH QST8     DEPENDENT.          =  0.00654 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.00880
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ETA =  0.00554 WITH QST8      DEPENDENT.          =  0.03260 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.00563  SIGNIFICANCE =  0.4017

NUMBER OF MISSING OBSERVATIONS =       47
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NYU AND OTHER ACADEMIC LIBRARIES                                              11/28/84        PAGE   20

FILE    NUQSYS    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
    QST9       I USE ANOTHER COMPUTER SYSTEM                     BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                    LIBTYPE2
           COUNT   I
         ROW PCT   INYU        OTHER AC     ROW
         COL PCT   I           ADEMIC       TOTAL
         TOT PCT   I       1.I       2.I
QST9     ----------I---------I---------I
              1.   I    52   I   107   I     159
  DAILY            I  32.7   I  67.3   I     8.2
                   I  11.4   I   7.2   I
                   I   2.7   I   5.5   I
                  -I---------I---------I
              2.   I    49   I   232   I     281
  WEEKLY           I  17.4   I  82.6   I    14.5
                   I  10.8   I  15.6   I
                   I   2.5   I  11.9   I
                  -I---------I---------I
              3.   I    41   I   187   I     228
  MONTHLY          I  18.0   I  82.0   I    11.7
                   I   9.0   I  12.6   I
                   I   2.1   I   9.6   I
                  -I---------I---------I
              4.   I    40   I   158   I     198
  4 TIMES A YEAR   I  20.2   I  79.8   I    10.2
                   I   8.8   I  10.6   I
                   I   2.1   I   8.1   I
                  -I---------I---------I
              5.   I    35   I   165   I     200
  ONCE A  YEAR     I  17.5   I  82.5   I    10.3
                   I   7.7   I  11.1   I
                   I   1.8   I   8.5   I
                  -I---------I---------I
              6.   I   238   I   638   I     876
  NEVER            I  27.2   I  72.8   I    45.1
                   I  52.3   I  42.9   I
                   I  12.3   I  32.9   I
                  -I---------I---------I
          COLUMN        455      1487        1942
           TOTAL       23.4      76.6       100.0

CHI SQUARE =     28.91551 WITH    5 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0000
CRAMER'S V =     0.12202
CONTINGENCY COEFFICIENT =      0.12112
LAMBDA (ASYMMETRIC) =  0.0      WITH QST9      DEPENDENT.            =  0.0      WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00479 WITH QST9      DEPENDENT.            =  0.01374 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00710
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KENDALL'S TAU B =    -0.04580  SIGNIFICANCE =  0.0129
KENDALL'S TAU C =    -0.04701  SIGNIFICANCE =  0.0129
GAMMA =    -0.09081
SOMERS'S D (ASYMMETRIC) = -0.06551 WITH QST9     DEPENDENT.           = -0.03202 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.04301
ETA =  0.03764 WITH QST9      DEPENDENT.          =  0.12204 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R =-0.03762  SIGNIFICANCE =  0.0487

NUMBER OF MISSING OBSERVATIONS =       61
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NYU AND OTHER ACADEMIC LIBRARIES                                          11/28/84        PAGE   22
FILE   NUQSYS   (CREATION DATE = 08/03/82)
* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
    QST10     MY AGE GROUP IS                                  BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  2

                    LIBTYPE2
           COUNT  I
         ROW PCT  INYU       OTHER AC    ROW
         COL PCT  I          ADEMIC      TOTAL
         TOT PCT  I      1.I      2.I
QST10    --------I---------I---------I
             1.  I      2  I      2  I       4
  14 AND  UNDER  I   50.0  I   50.0  I     0.2
                 I    0.4  I    0.1  I
                 I    0.1  I    0.1  I
                -I---------I---------I
             2.  I     65  I    339  I     404
  15 - 19 YEARS  I   16.1  I   83.9  I    20.5
                 I   13.9  I   22.5  I
                 I    3.3  I   17.2  I
                -I---------I---------I
             3.  I    187  I    748  I     935
  20 - 24 YEARS  I   20.0  I   80.0  I    47.3
                 I   40.1  I   49.6  I
                 I    9.5  I   37.9  I
                -I---------I---------I
             4.  I    142  I    311  I     453
  25 - 34 YEARS  I   31.3  I   68.7  I    22.9
                 I   30.5  I   20.6  I
                 I    7.2  I   15.7  I
                -I---------I---------I
             5.  I     49  I     60  I     109
  35 - 44 YEARS  I   45.0  I   55.0  I     5.5
                 I   10.5  I    4.0  I
                 I    2.5  I    3.0  I
                -I---------I---------I
             6.  I     14  I     30  I      44
  45 - 54 YEARS  I   31.8  I   68.2  I     2.2
                 I    3.0  I    2.0  I
                 I    0.7  I    1.5  I
                -I---------I---------I
             7.  I      5  I     12  I      17
  55 - 64 YEARS  I   29.4  I   70.6  I     0.9
                 I    1.1  I    0.8  I
                 I    0.3  I    0.6  I
                -I---------I---------I
          COLUMN      466      1509       1975
           TOTAL     23.6      76.4      100.0
(CONTINUED)
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FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    QST10     MY AGE GROUP IS                                     BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                    LIBTYPE2
            COUNT  I
           ROW PCT INYU       OTHER AC   ROW
           COL PCT I          ADEMIC     TOTAL
           TOT PCT I       1.I       2.I
QST10      --------I---------I---------I
               8.  I     2   I     7   I     9
  65 AND  OVER     I   22.2  I   77.8  I   0.5
                   I    0.4  I    0.5  I
                   I    0.1  I    0.4  I
                  -I---------I---------I
           COLUMN       466      1509      1975
            TOTAL      23.6      76.4     100.0

    4 OUT OF     16 ( 25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =   0.944
CHI SQUARE =     65.53650 WITH    7 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.18216
CONTINGENCY COEFFICIENT =     0.17921
LAMBDA (ASYMMETRIC) =  0.0      WITH QST10    DEPENDENT.           =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01169 WITH QST10    DEPENDENT.           =  0.02866 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01661
KENDALL'S TAU B =    -0.14767  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.14600  SIGNIFICANCE =  0.0000
GAMMA =   -0.28839
SOMERS'S D (ASYMMETRIC) = -0.20247 WITH QST10    DEPENDENT.          = -0.10771 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.14061
ETA =  0.14442 WITH QST10    DEPENDENT.          =  0.18218 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R =-0.14441  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =       28
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NYU AND OTHER ACADEMIC LIBRARIES                                              11/28/84        PAGE   24

FILE    NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    QST11     SEX                                                     BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                     LIBTYPE2
            COUNT   I
            ROW PCT IINYU       OTHER AC   ROW
            COL PCT I          ADEMIC     TOTAL
            TOT PCT I       1.I       2.I
QST11       --------I---------I---------I
               1.   I   256   I   630   I   886
  FEMALE            I  28.9   I  71.1   I  45.1
                    I  54.9   I  42.0   I
                    I  13.0   I  32.1   I
                   -I---------I---------I
               2.   I   210   I   869   I   1079
  MALE              I  19.5   I  80.5   I  54.9
                    I  45.1   I  58.0   I
                    I  10.7   I  44.2   I
                   -I---------I---------I
            COLUMN      466      1499      1965
             TOTAL     23.7      76.3     100.0

CORRECTED CHI SQUARE =     23.40286 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
      RAW CHI SQUARE =     23.92133 WITH 1 DEGREE OF FREEDOM.  SIGNIFICANCE =  0.0000
PHI =    0.11033
CONTINGENCY COEFFICIENT =    0.10967
LAMBDA (ASYMMETRIC) =  0.05192 WITH QST11    DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.03402
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00881 WITH QST11    DEPENDENT.          =  0.01107 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.00981
KENDALL'S TAU B =    0.11033  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    0.09340  SIGNIFICANCE =  0.0000
GAMMA =    0.25415
SOMERS'S D (ASYMMETRIC) =  0.12908 WITH QST11    DEPENDENT.          =  0.09431 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.10899
ETA =  0.11035 WITH QST11    DEPENDENT.          =  0.11034 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.11034  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      38
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NYU AND OTHER ACADEMIC LIBRARIES                                              11/28/84        PAGE   25
FILE    NUQSYS    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * *
    QST12      CURRENT OR HIGHEST GRADE COMPLETED          BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                       LIBTYPE2
                COUNT  I
              ROW PCT  INYU       OTHER AC   ROW
              COL PCT  I          ADEMIC     TOTAL
              TOT PCT  I       1.I       2.I
QST12         ---------I---------I---------I
                   1.  I      1  I      6  I      7
  GRADE    SCHOOL      I   14.3  I   85.7  I    0.4
                       I    0.2  I    0.4  I
                       I    0.1  I    0.3  I
                      -I---------I---------I
                   2.  I     11  I     48  I     59
  HIGH     SCHOOL      I   18.6  I   81.4  I    3.0
                       I    2.4  I    3.2  I
                       I    0.6  I    2.4  I
                      -I---------I---------I
                   3.  I    208  I    893  I   1101
  SOME     COLLEGE     I   18.9  I   81.1  I   55.7
                       I   44.6  I   59.2  I
                       I   10.5  I   45.2  I
                      -I---------I---------I
                   4.  I    246  I    562  I    808
  COLLEGE GRAD         I   30.4  I   69.6  I   40.9
                       I   52.8  I   37.2  I
                       I   12.5  I   28.5  I
                      -I---------I---------I
               COLUMN       466      1509      1975
                TOTAL      23.6      76.4     100.0

    1 OUT OF     8 ( 12.5%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY =   1.652
CHI SQUARE =     35.68118 WITH   3 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.13441
CONTINGENCY COEFFICIENT =     0.13321
LAMBDA (ASYMMETRIC) =  0.04348 WITH QST12     DEPENDENT.            =  0.0      WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.02836
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.01094 WITH QST12     DEPENDENT.            =  0.01634 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01310
KENDALL'S TAU B =    -0.12997  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.11265  SIGNIFICANCE =  0.0000
GAMMA =    -0.29011
SOMERS'S D (ASYMMETRIC) = -0.15622 WITH QST12     DEPENDENT.          = -0.10812 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.12780
ETA =  0.12660 WITH QST12     DEPENDENT.          =  0.13445 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R =-0.12665  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =      28
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NYU AND OTHER ACADEMIC LIBRARIES                                              11/28/84        PAGE   26
FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    QST13     MY ACADEMIC AREA IS                                BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  2

                     LIBTYPE2
              COUNT  I
            ROW PCT  INYU       OTHER AC   ROW
            COL PCT  I          ADEMIC     TOTAL
            TOT PCT  I       1.I       2.I
QST13       --------I---------I---------I
                 1.  I   121   I   274   I   395
  ART & HUMANITIES   I  30.6   I  69.4   I  21.1
                     I  27.7   I  19.1   I
                     I   6.5   I  14.6   I
                    -I---------I---------I
                 2.  I    35   I   164   I   199
  PHYS-BIO SCIENCE   I  17.6   I  82.4   I  10.6
                     I   8.0   I  11.4   I
                     I   1.9   I   8.7   I
                    -I---------I---------I
                 3.  I    56   I   218   I   274
  SOCIAL  SCIENCES   I  20.4   I  79.6   I  14.6
                     I  12.8   I  15.2   I
                     I   3.0   I  11.6   I
                    -I---------I---------I
                 4.  I    94   I   237   I   331
  BUSINESS-MANAGEM   I  28.4   I  71.6   I  17.7
                     I  21.5   I  16.5   I
                     I   5.0   I  12.6   I
                    -I---------I---------I
                 5.  I    16   I    50   I    66
  EDUCATION          I  24.2   I  75.8   I   3.5
                     I   3.7   I   3.5   I
                     I   0.9   I   2.7   I
                    -I---------I---------I
                 6.  I    21   I   233   I   254
  ENGINEERING        I   8.3   I  91.7   I  13.5
                     I   4.8   I  16.2   I
                     I   1.1   I  12.4   I
                    -I---------I---------I
                 7.  I    49   I   125   I   174
  MEDICAL-HEALTH     I  28.2   I  71.8   I   9.3
                     I  11.2   I   8.7   I
                     I   2.6   I   6.7   I
                    -I---------I---------I
             COLUMN      437       1438       1875
              TOTAL     23.3       76.7      100.0
(CONTINUED)
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NYU AND OTHER ACADEMIC LIBRARIES                                                  11/28/84        PAGE   27

FILE    NUQSYS    (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * *
    QST13      MY ACADEMIC AREA IS                             BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                         LIBTYPE2
               COUNT    I
               ROW PCT  INYU        OTHER AC    ROW
               COL PCT  I           ADEMIC      TOTAL
               TOT PCT  I       1.I       2.I
QST13          ---------I---------I---------I
                   8.   I    22   I    46   I     68
  LAW                   I   32.4  I   67.6  I    3.6
                        I    5.0  I    3.2  I
                        I    1.2  I    2.5  I
                       -I---------I---------I
                   9.   I    16   I    51   I     67
  MAJOR UNDECLARED      I   23.9  I   76.1  I    3.6
                        I    3.7  I    3.5  I
                        I    0.9  I    2.7  I
                       -I---------I---------I
                  10.   I     7   I    40   I     47
  INTERDISCIPLINAR      I   14.9  I   85.1  I    2.5
                        I    1.6  I    2.8  I
                        I    0.4  I    2.1  I
                       -I---------I---------I
              COLUMN        437      1438       1875
               TOTAL        23.3      76.7      100.0

CHI SQUARE =     61.01663 WITH    9 DEGREES OF FREEDOM    SIGNIFICANCE =  0.0000
CRAMER'S V =      0.18039
CONTINGENCY COEFFICIENT =      0.17753
LAMBDA (ASYMMETRIC) =  0.0       WITH QST13     DEPENDENT.            =  0.0      WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00866 WITH QST13     DEPENDENT.            =  0.03340 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01375
KENDALL'S TAU B =      0.04738  SIGNIFICANCE =  0.0092
KENDALL'S TAU C =      0.05255  SIGNIFICANCE =  0.0092
GAMMA =     0.08536
SOMERS'S D (ASYMMETRIC) =  0.07350 WITH QST13     DEPENDENT.            =  0.03054 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) =  0.04315
ETA =  0.05239 WITH QST13     DEPENDENT.            =  0.18041 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R = 0.05240  SIGNIFICANCE =  0.0116

NUMBER OF MISSING OBSERVATIONS =      128
```

```
CPU TIME REQUIRED..    7.44 SECONDS


              23 MULT RESPONSE  GROUPS= QUEST14   THE MAIN FOCUS OF MY ACADEMIC WORK IS:
              24                    (QST14A TO QST14C (1))  /
              25                    VARIABLES=LIBTYPE2 (1,7) /
              26                    TABLES=QUEST14 BY LIBTYPE2 /
              27 STATISTICS     ALL

'MULT RESPONSE' PROBLEM REQUIRES      172 BYTES OF WORKSPACE NOT INCLUDING LABELS.
GIVEN SPACE PROVIDES FOR  26875 LABELS FOR FREQUENCIES
AND  53751 LABELS FOR TABLES.
```

```
FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * *  C R O S S T A B U L A T I O N  * * * * * * * * * * *
   QUEST14  (TABULATING     1) THE MAIN FOCUS OF MY ACADEMIC WORK IS:
BY LIBTYPE2 RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * PAGE   1 OF   1

                       LIBTYPE2

                  COUNT  |NYU       OTHER AC
                 ROW PCT |          ADEMIC      ROW
                 COL PCT |                      TOTAL
                 TAB PCT |     1  |     2  |
QUEST14         ---------|--------|--------|
             QST14A      |   356  |  1195  |   1551
  COURSE WORK            |  23.0  |  77.0  |   83.0
                         |  81.8  |  83.3  |
                         |  19.0  |  63.9  |
                         |--------|--------|
             QST14B      |    40  |    75  |    115
  TEACHING               |  34.8  |  65.2  |    6.2
                         |   9.2  |   5.2  |
                         |   2.1  |   4.0  |
                         |--------|--------|
             QST14C      |   107  |   326  |    433
  RESEARCH               |  24.7  |  75.3  |   23.2
                         |  24.6  |  22.7  |
                         |   5.7  |  17.4  |
                         |--------|--------|
                COLUMN       435     1434      1869
                 TOTAL      23.3     76.7     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   1869 VALID CASES          134 MISSING CASES
```

```
CPU TIME REQUIRED..    2.76 SECONDS


               28 CROSSTABS      TABLES=QST15 BY LIBTYPE2
               29 STATISTICS     ALL

 ***** GIVEN WORKSPACE ALLOWS FOR 32767 CELLS, 32767 TABLES WITH     2 DIMENSIONS FOR CROSSTAB PROBLEM *****
```

```
NYU AND OTHER ACADEMIC LIBRARIES                                          11/28/84       PAGE   31

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *  C R O S S T A B U L A T I O N   O F  * * * * * * * * * * * * * * * * * * * *
   QST15      PRESENT AFFILIATION                          BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  2

                    LIBTYPE2
            COUNT  I
          ROW PCT  INYU       OTHER AC   ROW
          COL PCT  I          ADEMIC     TOTAL
          TOT PCT  I      1.I      2.I
QST15     --------I--------I--------I
              1.  I    94  I   426  I    520
  FRESHMAN-SOPHOM I  18.1  I  81.9  I   27.5
                  I  21.5  I  29.3  I
                  I   5.0  I  22.5  I
                 -I--------I--------I
              2.  I   128  I   518  I    646
  JUNIOR--SENIOR  I  19.8  I  80.2  I   34.1
                  I  29.3  I  35.6  I
                  I   6.8  I  27.4  I
                 -I--------I--------I
              3.  I    94  I   156  I    250
  GRADUATE-MASTERS I 37.6  I  62.4  I   13.2
                  I  21.5  I  10.7  I
                  I   5.0  I   8.2  I
                 -I--------I--------I
              4.  I    29  I   108  I    137
  GRADUATE-DOCTORA I 21.2  I  78.8  I    7.2
                  I   6.6  I   7.4  I
                  I   1.5  I   5.7  I
                 -I--------I--------I
              5.  I    42  I    60  I    102
  GRADUATE-PROFESS I 41.2  I  58.8  I    5.4
                  I   9.6  I   4.1  I
                  I   2.2  I   3.2  I
                 -I--------I--------I
              6.  I     6  I    29  I     35
  FACULTY         I  17.1  I  82.9  I    1.8
                  I   1.4  I   2.0  I
                  I   0.3  I   1.5  I
                 -I--------I--------I
              7.  I     5  I    21  I     26
  STAFF           I  19.2  I  80.8  I    1.4
                  I   1.1  I   1.4  I
                  I   0.3  I   1.1  I
                 -I--------I--------I
           COLUMN     437      1455      1892
            TOTAL    23.1      76.9     100.0
(CONTINUED)
```

```
NYU AND OTHER ACADEMIC LIBRARIES                                                    11/28/84       PAGE   32

FILE   NUQSYS   (CREATION DATE = 08/03/82)

* * * * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * * * *
    QST15      PRESENT AFFILIATION                                BY  LIBTYPE2  RECODED LIBRARY TYPE
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  2 OF  2

                         LIBTYPE2
                COUNT   I
                ROW PCT INYU        OTHER AC    ROW
                COL PCT I           ADEMIC      TOTAL
                TOT PCT I       1.I       2.I
QST15           --------I--------I--------I
                     8.  I    39  I   137  I    176
  OTHER                  I  22.2  I  77.8  I    9.3
                         I   8.9  I   9.4  I
                         I   2.1  I   7.2  I
                        -I--------I--------I
                COLUMN      437      1455      1892
                 TOTAL     23.1      76.9     100.0

CHI SQUARE =     60.96294 WITH   7 DEGREES OF FREEDOM   SIGNIFICANCE =  0.0000
CRAMER'S V =     0.17950
CONTINGENCY COEFFICIENT =     0.17668
LAMBDA (ASYMMETRIC) =  0.0      WITH QST15    DEPENDENT.          =  0.0     WITH LIBTYPE2 DEPENDENT.
LAMBDA (SYMMETRIC) =  0.0
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =  0.00876 WITH QST15    DEPENDENT.          =  0.02740 WITH LIBTYPE2 DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =  0.01328
KENDALL'S TAU B =    -0.08448  SIGNIFICANCE =  0.0000
KENDALL'S TAU C =    -0.08855  SIGNIFICANCE =  0.0000
GAMMA =    -0.15736
SOMERS'S D (ASYMMETRIC) = -0.12463 WITH QST15    DEPENDENT.          = -0.05727 WITH LIBTYPE2 DEPENDENT.
SOMERS'S D (SYMMETRIC) = -0.07847
ETA =  0.05315 WITH QST15    DEPENDENT.          =  0.17951 WITH LIBTYPE2 DEPENDENT.
PEARSON'S R =-0.05315  SIGNIFICANCE =  0.0104

NUMBER OF MISSING OBSERVATIONS =      111
```

Appendix I

NYU Study Data

NYU STUDY: SUMMARY OF RESPONSES BY QUESTION
BOBCAT (N=218)
CARD CATALOG (N=116)

(These questions may contain multiple responses and therefore percentages may exceed 100%.)

	Bobcat		Card	
	Freq.	pct. of cases	Freq.	pct. of cases
(Q100) What person was trying to find:				
Specific book, journal, magazine	71	(32.6)	45	(38.8)
2+ specific books, etc.	14	(6.4)	10	(8.6)
Any books, etc. on a subject	75	(34.4)	36	(31.0)
2+ Books etc. by a specific author	45	(20.6)	20	(17.2)
Supplementary information	1	(.5)	1	(.9)
Other information	12	(5.5)	4	(3.4)
Missing	0		0	
(Q850) First Entry in Search:				
Title	38	(19.3)	15	(17.4)
Author	47	(23.9)	30	(34.9)
Author-Title	27	(13.7)	12	(14.0)
Subject	79	(40.1)	29	(33.7)
Keyword	6	(3.0)		
Missing	0		0	
(Q850) Were any additional entries needed to obtain the information:				
Yes	52	(28.0)	13	(16.0)
No	134	(72.0)	68	(84.0)
Missing	9		35	
(Q851) Number of additional entries needed to find book:				
0	135	(75.0)	68	(87.2)
1	13	(7.2)	2	(2.6)
2	7	(3.9)	3	(3.8)
3	13	(7.2)	3	(3.8)
4	7	(3.9)		
5	3	(1.7)	1	(1.3)
6	1	(1.5)		
10			1	(1.3)
25	1	(1.6)		
Missing	38		38	

(Q861) Was this the only catalog searched:				
Yes	142	(67.6)	82	(78.1)
No	68	(32.4)	23	(21.9)
Missing	8		11	
(Q870) Why start search in this catalog:*				
Prefer it	130	(67.0)	50	(58.5)
More suitable	31	(16.0)	28	(28.3)
Other catalog too busy	8	(2.6)	6	(6.1)
Other reason	44	(22.7)	24	(24.2)
(Q871) First time Bobcat used:				
After 1/31/84	62	(29.4)	19	(21.8)
Spring 83-Jan. 84	106	(50.2)	39	(44.8)
Earlier	34	(16.1)	11	(12.6)
Never	9	(4.3	18	(20.7)

PART 2

I came to this search with:				
Complete author	111	(51.6)	70	(60.9)
Part. author	17	(7.9)	9	(7.8)
Complete title	100	(46.5)	58	(50.4)
Part. title	19	(8.8)	5	(4.3)
Topic word	52	(24.2)	24	(20.9)
Subject headings	100	(46.5)	47	(40.9)
Complete call number	5	(2.3)	1	(.9)
Part. call number	3	(1.4)	1	(.9)
No. Missing	3		3	
I was trying to find:				
Specific book	98	(45.6)	61	(54.0)
Subject	124	(57.7)	51	(45.1)
Book by a specific author	52	(24.2)	25	(22.1)
Publisher, spelling, etc.	9	(4.2)	8	(7.1)
If book is available	12	(5.6)	13	(11.5)
Other library with the book	7	(3.3)	2	(1.8)
No. Missing	3		3	
I searched for what I wanted by:				
Complete author	95	(44.2)	65	(56.5)
Part. author	19	(8.8)	9	(7.8)
Complete title	80	(37.2)	40	(34.8)
Part. title	27	(12.6)	4	(3.5)
Topic word(s)	60	(27.9)	27	(23.5)
Subject heading(s)	98	(45.6)	43	(37.4)
No. Missing	3		1	

I need this information for:				
Recreational	21	(9.7)	10	(8.7)
Making or fixing something	1	(.5)	--	----
Work or job	28	(12.9)	13	(11.3)
Personal interest	36	(11.6)	12	(10.4)
Hobby	9	(4.1)	2	(1.7)
Class or course	65	(30.0)	43	(37.4)
Course paper report	101	(46.5)	53	(46.1)
Thesis or dissertation	32	(14.7)	13	(11.3)
Publication	13	(6.0)	8	(7.0)
Teaching a course	10	(4.6)	6	(5.2)
Keeping up on a topic	19	(8.8)	11	(9.6)
No. missing	1		1	
In this search I found:				
More than looking for	19	(8.7)	22	(19.3)
All looking for	57	(26.1)	50	(43.9)
Some of what looking for	96	(44.0)	22	(19.3)
Nothing looking for	46	(21.1)	20	(17.5)
No. Missing	0		2	
In relation to what looking for, this search was:				
Very satisfactory	90	(42.5)	66	(57.4)
Somewhat satisfactory	68	(32.1)	27	(23.5)
Somewhat unsatisfactory	25	(11.8)	10	(8.7)
Very unsatisfactory	29	(13.7)	12	(10.3)
No. Missing	6		1	
I got help in doing this search from:				
Printed materials	32	(14.8)	13	(11.6)
Instruction in catalog	115	(53.2)	6	(5.4)
Library staff	8	(3.7)	11	(9.8)
Person nearby	6	(2.8)	3	(2.7)
Did not get help	96	(44.4)	80	(71.4)
No. missing	2		4	
General attitude toward the catalog used:				
Very favorable	137	(63.4)	70	(60.9)
Somewhat favorable	63	(29.2)	36	(31.3)
Somewhat unfavorable	13	(6.0)	6	(5.2)
Very unfavorable	3	(1.4)	3	(2.6)
No. Missing	9		1	

Compared to the other catalog the one used is:				
Better	131	(62.1)	48	(45.3)
About the same	33	(15.6)	18	(19.0)
Worse	33	(15.6)	9	(8.5)
Cannot decide	14	(6.6)	31	(29.2)
Missing	7		10	
Problems & suggestions if any concerning Bobcat:				
Add more titles	49	(54.4)		
Add specific type of collection	2	(2.2)		
Ability to access book contents	3	(3.3)		
Ability to access periodicals	9	(10.0)		
Reserve and circulation info	9	(10.0)		
Increase subject search capabilities	15	(16.7)		
Indicate location of books	3	(3.3)		
Add seating	1	(1.1)		
More terminals & location of terminals	5	(5.6)		
System is too slow	12	(13.3)		
Reduce time system is down	3	(3.3)		
Improve keyboard	7	(7.8)		
Add printers	2	(2.2)		
No. of missing	128			
Come to this library:				
Daily	48	(22.2)	25	(22.1)
Weekly	104	(48.1)	60	(53.1)
Monthly	43	(19.9)	16	(14.2)
About 4x year	16	(7.4)	7	(6.2)
About once a year	1	(.5)	1	(.9)
Not before today	4	(1.9)	4	(3.5)
Missing	2		3	
How often respondent uses another computer system:				
Daily	30	(13.8)	8	(7.3)
Weekly	35	(16.1)	14	(12.8)
Monthly	22	(10.7)	12	(11.0)
About 4x a year	17	(7.8)	12	(11.0)
About once a year	16	(7.4)	9	(8.3)
Never	97	(44.7)	54	(49.5)
Missing	1		7	

How respondent heard about computer catalog:				
Notice a terminal	145	(67.8)	71	(66.4)
Library orientation	13	(6.1)	5	(4.7)
Written announcement	20	(9.3)	12	(11.2)
Course instruction	8	(3.7)	4	(3.7)
Friend	23	(10.7)	9	(8.4)
Library staff	5	(2.3)	6	(5.6)
No. missing	4		9	
Age Group:				
15-19 years	43	(19.9)	17	(14.7)
20-24 years	82	(38.0)	39	(14.7)
25-34 years	51	(23.6)	33	(28.4)
35-44 years	26	(12.0)	16	(13.8)
45-54 years	12	(5.6)	5	(4.3)
55-64 years	1	(.5)	4	(3.5)
Over 65 years	1	(.5)		
No. of missing	4		6	
Sex:				
Female	108	(50.5)	68	(60.7)
Male	106	(49.5)	44	(39.3)
Current Education Level:				
Grade school	2	(.9)	--	-----
High school	4	(1.8)	1	(.9)
Some college	93	(42.9)	36	(31.6)
College	118	(54.9)	77	(67.5)
No. missing	3		2	
Area of Academic Work:				
Arts & Humanities	80	(37.0)	53	(46.5)
Physical/Bio. Science	12	(5.6)	4	(3.5)
Social Sciences	40	(18.5)	20	(17.5)
Business/Management	28	(13.0)	10	(8.8)
Education	7	(3.2)	2	(1.8)
Engineering	9	(4.2)	4	(3.5)
Medical/Health	13	(6.0)	8	(7.0)
Law	3	(1.4)	1	(.9)
Undeclared	9	(4.2)	2	(1.8)
Interdisciplinary	15	(6.9)	10	(8.8)
No. missing	2		2	

Breakdown of focus of Academic Work:				
Course work	119	(55.3)	59	(52.7)
Teaching	11	(5.1)	5	(4.5)
Research	51	(23.7)	25	(22.3)
Course work & Teaching	4	(1.9)	1	(.9)
Course work & Research	23	(10.7)	12	(10.7)
Teaching & Research	4	(1.9)	7	(6.3)
Course work, Teaching and research	3	(1.4)	3	(2.7)
Level of Affiliation:				
Freshman/Sophomore	53	(24.5)	15	(13.2)
Junior/Senior	54	(25.0)	29	(25.4)
Graduate-masters level	41	(19.0)	19	(16.7)
Graduate-doctorate level	24	(11.1)	14	(12.3)
Graduate-professional school	7	(3.2)	8	(7.0)
Faculty	12	(5.6)	10	(8.8)
Staff	6	(2.8)	3	(2.6)
Other	22	(10.2)	20	(17.5)
Stated criteria for success:				
Find known item	78	(26.4)	59	(59.0)
Find call number/area in stacks	26	(8.8)	7	(7.0)
Find relevant infor.	86	(29.1)	39	(39.0)
Serendipity	13	(4.4)	19	(19.0)
Information is in the catalog	5	(1.7)	2	(2.0)
Do not have to go to the card catalog	3	(1.0)	1	(1.0)
Search is quick and easy	16	(5.4)	5	(5.0)
Book is on the shelf	29	(9.8)	27	(27.0)
No criteria for success	1	(.3)	1	(1.0)
Find the needed information	23	(7.8)	4	(4.0)
Helps with research	6	(2.0)	2	(2.0)
All infor. is in Bobcat	7	(2.8)		
If use step-by-step	1	(0.3)		
Miscellaneous attributes of Bobcat	2	(0.7)		
No. Missing	19		16	
Indication of which catalog most successful:				
OLC more successful	88	(43.3)	10	(11.8)
Card more successful	61	(30.0)	49	(57.6)
They are equal	49	(24.1)	24	(28.2)
Neither successful	5	(2.5)	2	(2.4)
No. missing	15		31	

Does respondent usually look in both catalogs:				
Yes	129	(62.3)	45	(41.7)
No	78	(37.7)	63	(58.3)
No. missing	11		8	
Affiliation:				
NYU	183	(85.5)	95	(84.1)
Cooper Union	8	(3.7)	4	(3.5)
New School	8	(3.7)	6	(5.3)
Parsons	2	(.9)	--	-----
Hebrew Union	1	(4.7)	1	(.9)
Other University	10	(4.7)	4	(3.5)
Other	5	(2.3)	5	(4.4)
No. missing	4		3	

PERCENTAGE OF STUDENTS BY STUDY TYPE AND ENROLLMENT

	CLR STUDY		USER STUDY		NYU SPRING ENROLLMENT
	User	Nonuser	Bobcat	Card	
Fresh/Soph	24.6	21.7	24.5	13.2	
Junior/Senior	30.3	29.2	25.0	25.4	32
Grad.-MA	17.6	21.5	19.0	16.7	
Grad.-doc.	11.3	6.6	11.1	12.3	31
Grad.-prof.	2.1	6.6	3.2	7.0	7
Faculty	4.2	1.4	5.6	8.8	*
Staff	2.1	1.1	2.8	2.6	*
Other	7.7	8.9	10.2	17.5	29

*Enrollment figures - do not include faculty and staff.

```
02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:00     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:         1.00    BOBCAT

TRYFIND   WHAT TRYING TO FIND


                                                              VALID       CUM
  VALUE LABEL                    VALUE  FREQUENCY   PERCENT  PERCENT   PERCENT

SPECIFIC BOOK                        1         71      32.6     32.6      32.6
2 SPECIFIC BOOKS                     2         14       6.4      6.4      39.0
ANY BKS ON SUBJECT                   3         75      34.4     34.4      73.4
BKS SPECIFIC AUTHOR                  4         45      20.6     20.6      94.0
SUPPLEMENTARY INFO                   5          1        .5       .5      94.5
OTHER INFORMATION                    6         12       5.5      5.5     100.0
                                           -------   -------  -------
                                 TOTAL        218     100.0    100.0

MEAN            2.665     MEDIAN        3.000      MODE              3.000
STD DEV         1.409     VARIANCE      1.984      MINIMUM           1.000
MAXIMUM         6.000


VALID CASES       218     MISSING CASES     0

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

START     850 FIRST ENTRY IN SRCH


                                                              VALID       CUM
  VALUE LABEL                    VALUE  FREQUENCY   PERCENT  PERCENT   PERCENT

TITLE                                1         38      17.4     19.3      19.3
AUTHOR                               2         47      21.6     23.9      43.1
AUTHOR-TITLE                         3         27      12.4     13.7      56.9
SUBJECT                              4         79      36.2     40.1      97.0
KEY                                  6          6       2.8      3.0     100.0
                                     9         21       9.6  MISSING
                                           -------   -------  -------
                                 TOTAL        218     100.0    100.0

MEAN            2.868     MEDIAN        3.000      MODE              4.000
STD DEV         1.295     VARIANCE      1.676      MINIMUM           1.000
MAXIMUM         6.000


VALID CASES       197     MISSING CASES    21
```

```
02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:00    NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       1.00   BOBCAT

ADDENTRY  851 NEED ADDITIONAL ENTRIES


                                                           VALID      CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                    1         52     23.9     28.0     28.0
NO                                     2        134     61.5     72.0    100.0
                                       9         32     14.7  MISSING
                                          -------  -------  -------
                                   TOTAL        218    100.0    100.0

MEAN           1.720     MEDIAN         2.000     MODE           2.000
STD DEV         .450     VARIANCE        .202     MINIMUM        1.000
MAXIMUM        2.000


VALID CASES      186     MISSING CASES     32

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

NUMENTRY  852 NUMBER ADDITIONAL ENTRIES


                                                           VALID      CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

                                       0        135     61.9     75.0     75.0
                                       1         13      6.0      7.2     82.2
                                       2          7      3.2      3.9     86.1
                                       3         13      6.0      7.2     93.3
                                       4          7      3.2      3.9     97.2
                                       5          3      1.4      1.7     98.9
                                       6          1       .5       .6     99.4
                                      25          1       .5       .6    100.0
                                      99         38     17.4  MISSING
                                          -------  -------  -------
                                   TOTAL        218    100.0    100.0

MEAN            .778     MEDIAN          .000     MODE            .000
STD DEV        2.239     VARIANCE       5.012     MINIMUM         .000
MAXIMUM       25.000


VALID CASES      180     MISSING CASES     38
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:02     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00   BOBCAT

WHERE1ST  866 WHERE FIRST SRCHED


                                                              VALID      CUM
 VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

CARD CATOLOG                          1         18      8.3     24.0     24.0
BOBCAT                                2         57     26.1     76.0    100.0
                                      8        130     59.6  MISSING
                                      9         13      6.0  MISSING
                                           -------  -------  -------
                                  TOTAL        218    100.0    100.0

MEAN           1.760      MEDIAN          2.000      MODE            2.000
STD DEV         .430      VARIANCE         .185      MINIMUM         1.000
MAXIMUM        2.000

VALID CASES       75      MISSING CASES    143

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

FIRSTIME  871 FIRST TIME USED BOBCAT


                                                              VALID      CUM
 VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

AFTER JAN 84                          1         62     28.4     29.4     29.4
SPRING 83-JAN 84                      2        106     48.6     50.2     79.6
EARLIER SPRING 83                     3         34     15.6     16.1     95.7
NEVER                                 4          9      4.1      4.3    100.0
                                      9          7      3.2  MISSING
                                           -------  -------  -------
                                  TOTAL        218    100.0    100.0

MEAN           1.953      MEDIAN          2.000      MODE            2.000
STD DEV         .791      VARIANCE         .626      MINIMUM         1.000
MAXIMUM        4.000

VALID CASES      211      MISSING CASES      7
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:02     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00   BOBCAT

STOPSOON  860 END SRCH BEFORE DONE

                                                                VALID     CUM
 VALUE LABEL                      VALUE  FREQUENCY   PERCENT  PERCENT   PERCENT

YES                                   1         22      10.1     10.5      10.5
NO                                    2        187      85.8     89.5     100.0
                                      9          9       4.1   MISSING
                                           -------   -------  -------
                                  TOTAL        218     100.0    100.0

MEAN            1.895      MEDIAN         2.000      MODE              2.000
STD DEV          .308      VARIANCE        .095      MINIMUM           1.000
MAXIMUM         2.000

VALID CASES       209      MISSING CASES      9

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ONLYCAT   861 WAS THIS ONLY CATALOG SRCH

                                                                VALID     CUM
 VALUE LABEL                      VALUE  FREQUENCY   PERCENT  PERCENT   PERCENT

YES                                   1        142      65.1     67.6      67.6
NO                                    2         68      31.2     32.4     100.0
                                      9          8       3.7   MISSING
                                           -------   -------  -------
                                  TOTAL        218     100.0    100.0

MEAN            1.324      MEDIAN         1.000      MODE              1.000
STD DEV          .469      VARIANCE        .220      MINIMUM           1.000
MAXIMUM         2.000

VALID CASES       210      MISSING CASES      8
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:03     NEW YORK UNIVERSITY -- A.C.F.   IBM 4341 MOD 11   OS/VS2

FILE:
CATTYPE:        1.00   BOBCAT

Q5FOUND    IN SEARCH I FOUND


                                                          VALID     CUM
 VALUE LABEL                  VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

MORE THAN LOOK FOR                1         19      8.7      8.7      8.7
ALL LOOKING FOR                   2         57     26.1     26.1     34.9
SOME LOOKING FOR                  3         96     44.0     44.0     78.9
NOTHING LOOKING FOR               4         46     21.1     21.1    100.0
                                        -------  -------  -------
                              TOTAL        218    100.0    100.0

MEAN            2.775   MEDIAN         3.000     MODE             3.000
STD DEV          .880   VARIANCE        .774     MINIMUM          1.000
MAXIMUM         4.000


VALID CASES       218      MISSING CASES     0

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q6SATIS    SATISFACTION IN SEARCH


                                                          VALID     CUM
 VALUE LABEL                  VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

VERY SATISFACTORY                 1         90     41.3     42.5     42.5
SOMEWHT SATISFACTORY              2         68     31.2     32.1     74.5
SOMEW UNSATISFACTORY              3         25     11.5     11.8     86.3
VERY UNSATISFACTORY               4         29     13.3     13.7    100.0
                                  9          6      2.8  MISSING
                                        -------  -------  -------
                              TOTAL        218    100.0    100.0

MEAN            1.967   MEDIAN         2.000     MODE             1.000
STD DEV         1.046   VARIANCE       1.094     MINIMUM          1.000
MAXIMUM         4.000


VALID CASES       212      MISSING CASES     6
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:04     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00   BOBCAT

Q7EXTRA   CAME ACROSS OTHER THINGS OF INTEREST


                                                              VALID      CUM
  VALUE LABEL                    VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                  1         87     39.9     41.2     41.2
NO                                   2        124     56.9     58.8    100.0
                                     9          7      3.2  MISSING
                                          -------  -------  -------
                                 TOTAL        218    100.0    100.0

MEAN            1.588     MEDIAN         2.000      MODE             2.000
STD DEV          .493     VARIANCE        .243      MINIMUM          1.000
MAXIMUM         2.000

VALID CASES       211     MISSING CASES      7

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q9ATTIT   GENERAL ATTITUDE TOWARD CATALOG


                                                              VALID      CUM
  VALUE LABEL                    VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

VERY FAVORABLE                       1        137     62.8     63.4     63.4
SOMEWHAT FAVORABLE                   2         63     28.9     29.2     92.6
SOMEWHAT UNFAVORABLE                 3         13      6.0      6.0     98.6
VERY UNFAVORABLE                     4          3      1.4      1.4    100.0
                                     9          2       .9  MISSING
                                          -------  -------  -------
                                 TOTAL        218    100.0    100.0

MEAN            1.454     MEDIAN         1.000      MODE             1.000
STD DEV          .674     VARIANCE        .454      MINIMUM          1.000
MAXIMUM         4.000

VALID CASES       216     MISSING CASES      2
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:05     NEW YORK UNIVERSITY -- A.C.F.   IBM 4341 MOD 11   OS/VS2

FILE:
CATTYPE:        1.00    BOBCAT

Q10COMP    COMAPRED TO OTHER CATALOG...


                                                                  VALID      CUM
  VALUE LABEL                          VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

BETTER                                     1       131     60.1     62.1     62.1
ABOUT THE SAME                             2        33     15.1     15.6     77.7
WORSE                                      3        33     15.1     15.6     93.4
CANNOT DECIDE                              4        14      6.4      6.6    100.0
                                           9         7      3.2  MISSING
                                             -------  -------  -------
                                       TOTAL       218    100.0    100.0

MEAN             1.668     MEDIAN         1.000       MODE            1.000
STD DEV           .968     VARIANCE        .937       MINIMUM         1.000
MAXIMUM          4.000

VALID CASES       211      MISSING CASES      7

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q12COME    HOW OFTEN COME TO LIBRARY


                                                                  VALID      CUM
  VALUE LABEL                          VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

DAILY                                      1        48     22.0     22.2     22.2
WEEKLY                                     2       104     47.7     48.1     70.4
MONTHLY                                    3        43     19.7     19.9     90.3
ABOUT 4X YEAR                              4        16      7.3      7.4     97.7
ABOUT ONCE YEAR                            5         1       .5       .5     98.1
NOT BEFORE TODAY                           6         4      1.8      1.9    100.0
                                           9         2       .9  MISSING
                                             -------  -------  -------
                                       TOTAL       218    100.0    100.0

MEAN             2.213     MEDIAN         2.000       MODE            2.000
STD DEV          1.007     VARIANCE       1.015       MINIMUM         1.000
MAXIMUM          6.000

VALID CASES       216      MISSING CASES      2
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:06     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00    BOBCAT

Q13USE     HOW OFTEN USE NYU'S LIBRARY


                                                                    VALID       CUM
  VALUE LABEL                           VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

EVERY VISIT                                 1         38     17.4     17.6      17.6
ALMOST EVERY VISIT                          2         93     42.7     43.1      60.6
OCCASSIONALLY                               3         58     26.6     26.9      87.5
RARELY                                      4         11      5.0      5.1      92.6
NOT BEFORE TODAY                            5         16      7.3      7.4     100.0
                                            9          2       .9  MISSING
                                               -------  -------  -------
                                        TOTAL        218    100.0    100.0

MEAN           2.417      MEDIAN         2.000      MODE            2.000
STD DEV        1.071      VARIANCE       1.147      MINIMUM         1.000
MAXIMUM        5.000


VALID CASES      216      MISSING CASES      2


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

COMPUTER  USE OF OTHER COMP SYSTEM


                                                                    VALID       CUM
  VALUE LABEL                           VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

DAILY                                       1         30     13.8     13.8      13.8
WEEKLY                                      2         35     16.1     16.1      30.0
MONTHLY                                     3         22     10.1     10.1      40.1
ABOUT 4X YEAR                               4         17      7.8      7.8      47.9
ABOUT ONCE YEAR                             5         16      7.3      7.4      55.3
NEVER                                       6         97     44.5     44.7     100.0
                                            9          1       .5  MISSING
                                               -------  -------  -------
                                        TOTAL        218    100.0    100.0

MEAN           4.129      MEDIAN         5.000      MODE            6.000
STD DEV        1.963      VARIANCE       3.854      MINIMUM         1.000
MAXIMUM        6.000


VALID CASES      217      MISSING CASES      1
```

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02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:06    NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       1.00   BOBCAT

HEARDOF   HOW FIRST HEARD OF BOBCAT


                                                               VALID     CUM
  VALUE LABEL                    VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

NOTICE TERMINAL                     1        145     66.5      67.8      67.8
LIB ORIENTATION                     2         13      6.0       6.1      73.8
WRITTEN ANNOUNCEMENT                3         20      9.2       9.3      83.2
COURSE INSTRUCTOR                   4          8      3.7       3.7      86.9
FRIEND                              5         23     10.6      10.7      97.7
LIBRARY STAFF                       6          5      2.3       2.3     100.0
                                    9          4      1.8   MISSING
                                           -------  -------   -------
                                 TOTAL       218    100.0     100.0

MEAN            1.907     MEDIAN         1.000      MODE            1.000
STD DEV         1.505     VARIANCE       2.264      MINIMUM         1.000
MAXIMUM         6.000


VALID CASES      214      MISSING CASES      4


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

AGEGRP     AGE GROUP


                                                               VALID     CUM
  VALUE LABEL                    VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

15-19 YEARS                         2         43     19.7      19.9      19.9
20-24 YEARS                         3         82     37.6      38.0      57.9
25-34 YEARS                         4         51     23.4      23.6      81.5
35-44 YEARS                         5         26     11.9      12.0      93.5
45-54 YEARS                         6         12      5.5       5.6      99.1
55-64 YEARS                         7          1       .5        .5      99.5
OVER 65 YEARS                       8          1       .5        .5     100.0
                                    9          2       .9   MISSING
                                           -------  -------   -------
                                 TOTAL       218    100.0     100.0

MEAN            3.486     MEDIAN         3.000      MODE            3.000
STD DEV         1.173     VARIANCE       1.377      MINIMUM         2.000
MAXIMUM         8.000


VALID CASES      216      MISSING CASES      2
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:06     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00    BOBCAT

SEX


                                                              VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

FEMALE                                 1        108     49.5     50.5      50.5
MALE                                   2        106     48.6     49.5     100.0
                                       9          4      1.8  MISSING
                                            -------  -------  -------
                                   TOTAL        218    100.0    100.0

MEAN            1.495    MEDIAN         1.000      MODE              1.000
STD DEV          .501    VARIANCE        .251      MINIMUM           1.000
MAXIMUM         2.000

VALID CASES       214    MISSING CASES      4

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

EDLEVEL   EDUCATION LEVEL


                                                              VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

GRADE SCHOOL                           1          2       .9       .9        .9
HIGH SCHOOL                            2          4      1.8      1.8       2.8
SOME COLLEGE                           3         93     42.7     42.9      45.6
COLLEGE                                4        118     54.1     54.4     100.0
                                       9          1       .5  MISSING
                                            -------  -------  -------
                                   TOTAL        218    100.0    100.0

MEAN            3.507    MEDIAN         4.000      MODE              4.000
STD DEV          .586    VARIANCE        .344      MINIMUM           1.000
MAXIMUM         4.000

VALID CASES       217    MISSING CASES      1
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:08     NEW YORK UNIVERSITY -- A.C.F.   IBM 4341 MOD 11   OS/VS2

FILE:
CATTYPE:        1.00    BOBCAT

FOCUS       FOCUS OF ACADEMIC WORK


                                                                  VALID      CUM
  VALUE LABEL                      VALUE   FREQUENCY   PERCENT   PERCENT   PERCENT

COURSE WORK                           1        119        54.6      55.3      55.3
TEACHING                              2         11         5.0       5.1      60.5
RESEARCH                              3         51        23.4      23.7      84.2
COURSE WK & TEACH                     4          4         1.8       1.9      86.0
COURSE WK & RESEARCH                  5         23        10.6      10.7      96.7
TEACH & RESEARCH                      6          4         1.8       1.9      98.6
COURS-TEACH-RESEARCH                  7          3         1.4       1.4     100.0
                                      9          3         1.4    MISSING
                                           -------     -------   -------
                                   TOTAL       218       100.0     100.0

MEAN             2.186      MEDIAN          1.000      MODE              1.000
STD DEV          1.566      VARIANCE        2.451      MINIMUM           1.000
MAXIMUM          7.000


VALID CASES       215       MISSING CASES       3


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

LOOKBOTH  LOOK IN BOTH CATALOGS


                                                                  VALID      CUM
  VALUE LABEL                      VALUE   FREQUENCY   PERCENT   PERCENT   PERCENT

YES                                   1        129        59.2      62.3      62.3
NO                                    2         78        35.8      37.7     100.0
                                      9         11         5.0    MISSING
                                           -------     -------   -------
                                   TOTAL       218       100.0     100.0

MEAN             1.377      MEDIAN          1.000      MODE              1.000
STD DEV           .486      VARIANCE         .236      MINIMUM           1.000
MAXIMUM          2.000


VALID CASES       207       MISSING CASES      11
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02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:08    NEW YORK UNIVERSITY -- A.C.F.   IBM 4341 MOD 11   OS/VS2

FILE:
CATTYPE:        1.00    SUBCAT

COMPARE   COMPARISION OF SUCCESS & CAT


                                                              VALID      CUM
  VALUE LABEL                    VALUE  FREQUENCY   PERCENT   PERCENT   PERCENT

OLC MORE SUCCESSFUL                  1        88       40.4      43.3      43.3
CARD MORE SUCCESSFUL                 2        61       28.0      30.0      73.4
THEY ARE EQUAL                       3        49       22.5      24.1      97.5
NEITHER SUCCESSFUL                   4         5        2.3       2.5     100.0
                                     9        15        6.9   MISSING
                                          -------   -------   -------
                                 TOTAL       218      100.0     100.0

MEAN           1.857     MEDIAN          2.000      MODE             1.000
STD DEV         .870     VARIANCE         .757      MINIMUM          1.000
MAXIMUM        4.000

VALID CASES      203     MISSING CASES      15

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

AREAWORK  ACADEMIC AREA


                                                              VALID      CUM
  VALUE LABEL                    VALUE  FREQUENCY   PERCENT   PERCENT   PERCENT

ARTS-HUMANITIES                      1        80       36.7      37.0      37.0
PHYSICAL/BIO SCIENCE                 2        12        5.5       5.6      42.6
SOCIAL SCIENCES                      3        40       18.3      18.5      61.1
BUSINESS/MANAGEMENT                  4        28       12.8      13.0      74.1
EDUCATION                            5         7        3.2       3.2      77.3
ENGINEERING                          6         9        4.1       4.2      81.5
MEDICAL/HEALTH                       7        13        6.0       6.0      87.5
LAW                                  8         3        1.4       1.4      88.9
UNDECLARED                           9         9        4.1       4.2      93.1
INTERDISCIPLINARY                   10        15        6.9       6.9     100.0
                                    99         2         .9   MISSING
                                          -------   -------   -------
                                 TOTAL       218      100.0     100.0

MEAN           3.569     MEDIAN          3.000      MODE             1.000
STD DEV        2.846     VARIANCE        8.097      MINIMUM          1.000
MAXIMUM       10.000

VALID CASES      216     MISSING CASES       2
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:09     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        1.00   BOBCAT


POSITIONAL INDEX

 VARIABLE   PAGE     VARIABLE   PAGE     VARIABLE   PAGE     VARIABLE   PAGE

TRYFIND       10    WHEREIST      13    Q10COMP       16    SEX           19
START         10    FIRSTIME      13    Q12COME       16    EDLEVEL       19
ADDENTRY      11    Q5FOUND       14    Q13USE        17    AREAWORK      21
NUMENTRY      11    Q6SATIS       14    COMPUTER      17    FOCUS         20
STOPSOON      12    Q7EXTRA       15    HEARDOF       18    COMPARE       21
ONLYCAT       12    Q9ATTIT       15    AGEGRP        18    LOOKBOTH      20


ALPHABETIC INDEX

 VARIABLE   PAGE     VARIABLE   PAGE     VARIABLE   PAGE     VARIABLE   PAGE

ADDENTRY      11    FIRSTIME      13    Q10COMP       16    Q9ATTIT       15
AGEGRP        18    FOCUS         20    Q12COME       16    SEX           19
AREAWORK      21    HEARDOF       18    Q13USE        17    START         10
COMPARE       21    LOOKBOTH      20    Q5FOUND       14    STOPSOON      12
COMPUTER      17    NUMENTRY      11    Q6SATIS       14    TRYFIND       10
EDLEVEL       19    ONLYCAT       12    Q7EXTRA       15    WHEREIST      13
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:12     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        2.00    CARD

TRYFIND    WHAT TRYING TO FIND


                                                            VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

SPECIFIC BOOK                          1         45     38.8     38.8     38.8
2 SPECIFIC BOOKS                       2         10      8.6      8.6     47.4
ANY BKS ON SUBJECT                     3         36     31.0     31.0     78.4
BKS SPECIFIC AUTHOR                    4         20     17.2     17.2     95.7
SUPPLEMENTARY INFO                     5          1       .9       .9     96.6
OTHER INFORMATION                      6          4      3.4      3.4    100.0
                                              -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN          2.431     MEDIAN         3.000     MODE            1.000
STD DEV       1.359     VARIANCE       1.847     MINIMUM         1.000
MAXIMUM       6.000


VALID CASES     116     MISSING CASES      0


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

START      850 FIRST ENTRY IN SRCH


                                                            VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

TITLE                                  1         15     12.9     17.4     17.4
AUTHOR                                 2         30     25.9     34.9     52.3
AUTHOR-TITLE                           3         12     10.3     14.0     66.3
SUBJECT                                4         29     25.0     33.7    100.0
                                       9         30     25.9  MISSING
                                              -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN          2.640     MEDIAN         2.000     MODE            2.000
STD DEV       1.126     VARIANCE       1.269     MINIMUM         1.000
MAXIMUM       4.000


VALID CASES      86     MISSING CASES     30
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02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:14    NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

STOPSOON  860 END SRCH BEFORE JUNE


                                                            VALID     CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                 1         17     14.7     15.9     15.9
NO                                  2         90     77.6     84.1    100.0
                                    9          9      7.8  MISSING
                                         -------  -------  -------
                                TOTAL        116    100.0    100.0

MEAN            1.841      MEDIAN         2.000      MODE            2.000
STD DEV          .367      VARIANCE        .135      MINIMUM         1.000
MAXIMUM         2.000

VALID CASES       107      MISSING CASES      9

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ONLYCAT   861 WAS THIS ONLY CATALOG SRCH


                                                            VALID     CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                 1         82     70.7     78.1     78.1
NO                                  2         23     19.8     21.9    100.0
                                    9         11      9.5  MISSING
                                         -------  -------  -------
                                TOTAL        116    100.0    100.0

MEAN            1.219      MEDIAN         1.000      MODE            1.000
STD DEV          .416      VARIANCE        .173      MINIMUM         1.000
MAXIMUM         2.000

VALID CASES       105      MISSING CASES     11
```

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```
02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:13    NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

ADDENTRY  851 NEED ADDITIONAL ENTRIES


                                                             VALID     CUM
  VALUE LABEL                     VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                   1         13     11.2     16.0     16.0
NO                                    2         68     58.6     84.0    100.0
                                      9         35     30.2  MISSING
                                           -------  -------  -------
                                  TOTAL        116    100.0    100.0

MEAN           1.840    MEDIAN        2.000     MODE             2.000
STD DEV         .369    VARIANCE       .136     MINIMUM          1.000
MAXIMUM        2.000


VALID CASES       81    MISSING CASES    35

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

NUMENTRY  852 NUMBER ADDITIONAL ENTRIES


                                                             VALID     CUM
  VALUE LABEL                     VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

                                      0         68     58.6     87.2     87.2
                                      1          2      1.7      2.6     89.7
                                      2          3      2.6      3.8     93.6
                                      3          3      2.6      3.8     97.4
                                      5          1       .9      1.3     98.7
                                     10          1       .9      1.3    100.0
                                     99         38     32.8  MISSING
                                           -------  -------  -------
                                  TOTAL        116    100.0    100.0

MEAN            .410    MEDIAN         .000     MODE              .000
STD DEV        1.409    VARIANCE      1.985     MINIMUM           .000
MAXIMUM       10.000


VALID CASES       78    MISSING CASES    38
```

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```
02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:14     NEW YORK UNIVERSITY -- A.C.F.   IBM 4341 MOD 11   OS/VS2

FILE:
CATTYPE:          2.00    CARD

WHERE1ST   866 WHERE FIRST SRCHED

                                                                     VALID      CUM
 VALUE LABEL                             VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

CARD CATOLOG                                 1         24     20.7     68.6      68.6
BOBCAT                                       2         11      9.5     31.4     100.0
                                             8         67     57.8   MISSING
                                             9         14     12.1   MISSING
                                                  -------  -------  -------
                                         TOTAL        116    100.0    100.0

MEAN              1.314     MEDIAN          1.000      MODE              1.000
STD DEV            .471     VARIANCE         .222      MINIMUM           1.000
MAXIMUM           2.000

VALID CASES          35     MISSING CASES      81

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

FIRSTIME   871 FIRST TIME USED BOBCAT

                                                                     VALID      CUM
 VALUE LABEL                             VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

AFTER JAN 84                                 1         19     16.4     21.8      21.8
SPRING 83-JAN 84                             2         39     33.6     44.8      66.7
EARLIER SPRING 83                            3         11      9.5     12.6      79.3
NEVER                                        4         18     15.5     20.7     100.0
                                             9         29     25.0   MISSING
                                                  -------  -------  -------
                                         TOTAL        116    100.0    100.0

MEAN              2.322     MEDIAN          2.000      MODE              2.000
STD DEV           1.040     VARIANCE        1.081      MINIMUM           1.000
MAXIMUM           4.000

VALID CASES          87     MISSING CASES      29
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:14     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

Q5FOUND    IN SEARCH I FOUND


                                                                VALID    CUM
 VALUE LABEL                       VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

MORE THAN LOOK FOR                     1         22     19.0     19.3     19.3
ALL LOOKING FOR                        2         50     43.1     43.9     63.2
SOME LOOKING FOR                       3         22     19.0     19.3     82.5
NOTHING LOOKING FOR                    4         20     17.2     17.5    100.0
                                       9          2      1.7  MISSING
                                            -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN           2.351      MEDIAN         2.000      MODE            2.000
STD DEV         .986      VARIANCE        .973      MINIMUM         1.000
MAXIMUM        4.000

VALID CASES      114      MISSING CASES      2

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q6SATIS    SATISFACTION IN SEARCH


                                                                VALID    CUM
 VALUE LABEL                       VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

VERY SATISFACTORY                      1         66     56.9     57.4     57.4
SOMEWHT SATISFACTORY                   2         27     23.3     23.5     80.9
SOMEW UNSATISFACTORY                   3         10      8.6      8.7     89.6
VERY UNSATISFACTORY                    4         12     10.3     10.4    100.0
                                       9          1       .9  MISSING
                                            -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN           1.722      MEDIAN         1.000      MODE            1.000
STD DEV        1.005      VARIANCE       1.010      MINIMUM         1.000
MAXIMUM        4.000

VALID CASES      115      MISSING CASES      1
```

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```
02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:15     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

Q7EXTRA   CAME ACROSS OTHER THINGS OF INTEREST

                                                            VALID     CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

YES                                 1         49     42.2     45.0     45.0
NO                                  2         60     51.7     55.0    100.0
                                    9          7      6.0  MISSING
                                       -------  -------  -------
                                TOTAL        116    100.0    100.0

MEAN            1.550      MEDIAN        2.000      MODE           2.000
STD DEV          .500      VARIANCE       .250      MINIMUM        1.000
MAXIMUM         2.000

VALID CASES      109       MISSING CASES     7

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q9ATTIT   GENERAL ATTITUDE TOWARD CATALOG

                                                            VALID     CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

VERY FAVORABLE                      1         70     60.3     60.9     60.9
SOMEWHAT FAVORABLE                  2         36     31.0     31.3     92.2
SOMEWHAT UNFAVORABLE                3          6      5.2      5.2     97.4
VERY UNFAVORABLE                    4          3      2.6      2.6    100.0
                                    9          1       .9  MISSING
                                       -------  -------  -------
                                TOTAL        116    100.0    100.0

MEAN            1.496      MEDIAN        1.000      MODE           1.000
STD DEV          .718      VARIANCE       .515      MINIMUM        1.000
MAXIMUM         4.000

VALID CASES      115       MISSING CASES     1
```

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```
02 NOV 84   FREQUENCIES OF THE NYU STUDY
18:01:16    NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        2.00   CARD

Q10COMP   COMAPRED TO OTHER CATALOG...


                                                                 VALID     CUM
  VALUE LABEL                       VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

BETTER                                  1        48     41.4     45.3     45.3
ABOUT THE SAME                          2        18     15.5     17.0     62.3
WORSE                                   3         9      7.8      8.5     70.8
CANNOT DECIDE                           4        31     26.7     29.2    100.0
                                        9        10      8.6  MISSING
                                            -------  -------  -------
                                    TOTAL       116    100.0    100.0

MEAN            2.217    MEDIAN        2.000      MODE             1.000
STD DEV         1.295    VARIANCE      1.676      MINIMUM          1.000
MAXIMUM         4.000

VALID CASES       106    MISSING CASES    10

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Q12CUME   HOW OFTEN COME TO LIBRARY


                                                                 VALID     CUM
  VALUE LABEL                       VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

DAILY                                   1        25     21.6     22.1     22.1
WEEKLY                                  2        60     51.7     53.1     75.2
MONTHLY                                 3        16     13.8     14.2     89.4
ABOUT 4X YEAR                           4         7      6.0      6.2     95.6
ABOUT ONCE YEAR                         5         1       .9       .9     96.5
NOT BEFORE TODAY                        6         4      3.4      3.5    100.0
                                        9         3      2.6  MISSING
                                            -------  -------  -------
                                    TOTAL       116    100.0    100.0

MEAN            2.212    MEDIAN        2.000      MODE             2.000
STD DEV         1.106    VARIANCE      1.222      MINIMUM          1.000
MAXIMUM         6.000

VALID CASES       113    MISSING CASES     3
```

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```
02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:17     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

Q13USE     HOW OFTEN USE NYU'S LIBRARY


                                                                   VALID     CUM
  VALUE LABEL                           VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

EVERY VISIT                                 1         28     24.1     24.6     24.6
ALMOST EVERY VISIT                          2         42     36.2     36.8     61.4
OCCASSIONALLY                               3         38     32.8     33.3     94.7
RARELY                                      4          3      2.6      2.6     97.4
NOT BEFORE TODAY                            5          3      2.6      2.6    100.0
                                            9          2      1.7  MISSING
                                                 -------  -------  -------
                                        TOTAL        116    100.0    100.0

MEAN           2.219      MEDIAN        2.000      MODE            2.000
STD DEV         .933      VARIANCE       .881      MINIMUM         1.000
MAXIMUM        5.000


VALID CASES      114      MISSING CASES     2

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

COMPUTER   USE OF OTHER COMP SYSTEM


                                                                   VALID     CUM
  VALUE LABEL                           VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

DAILY                                       1          8      6.9      7.3      7.3
WEEKLY                                      2         14     12.1     12.8     20.2
MONTHLY                                     3         12     10.3     11.0     31.2
ABOUT 4X YEAR                               4         12     10.3     11.0     42.2
ABOUT ONCE YEAR                             5          9      7.8      8.3     50.5
NEVER                                       6         54     46.6     49.5    100.0
                                            9          7      6.0  MISSING
                                                 -------  -------  -------
                                        TOTAL        116    100.0    100.0

MEAN           4.486      MEDIAN        5.000      MODE            6.000
STD DEV        1.772      VARIANCE      3.141      MINIMUM         1.000
MAXIMUM        6.000


VALID CASES      109      MISSING CASES     7
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:17     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:         2.00   CARD

HEARDOF    HOW FIRST HEARD OF BOBCAT


                                                            VALID     CUM
 VALUE LABEL                   VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

NOTICE TERMINAL                   1         71     61.2      66.4      66.4
LIB ORIENTATION                   2          5      4.3       4.7      71.0
WRITTEN ANNOUNCEMENT              3         12     10.3      11.2      82.2
COURSE INSTRUCTOR                 4          4      3.4       3.7      86.0
FRIEND                            5          9      7.8       8.4      94.4
LIBRARY STAFF                     6          6      5.2       5.6     100.0
                                  9          9      7.8    MISSING
                                       -------  -------   -------
                               TOTAL       116    100.0     100.0

MEAN          2.000     MEDIAN        1.000      MODE              1.000
STD DEV       1.614     VARIANCE      2.604      MINIMUM           1.000
MAXIMUM       6.000

VALID CASES     107     MISSING CASES     9

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

AGEGRP     AGE GROUP


                                                            VALID     CUM
 VALUE LABEL                   VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

15-19 YEARS                       2         17     14.7      14.9      14.9
20-24 YEARS                       3         39     33.6      34.2      49.1
25-34 YEARS                       4         33     28.4      28.9      78.1
35-44 YEARS                       5         16     13.8      14.0      92.1
45-54 YEARS                       6          5      4.3       4.4      96.5
55-64 YEARS                       7          4      3.4       3.5     100.0
                                  9          2      1.7    MISSING
                                       -------  -------   -------
                               TOTAL       116    100.0     100.0

MEAN          3.693     MEDIAN        4.000      MODE              3.000
STD DEV       1.220     VARIANCE      1.489      MINIMUM           2.000
MAXIMUM       7.000

VALID CASES     114     MISSING CASES     2
```

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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:18     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        2.00   CARD

FOCUS       FOCUS OF ACADEMIC WORK

                                                            VALID       CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

COURSE WORK                        1        59      50.9     52.7      52.7
TEACHING                           2         5       4.3      4.5      57.1
RESEARCH                           3        25      21.6     22.3      79.5
COURSE WK & TEACH                  4         1        .9       .9      80.4
COURSE WK & RESEARCH               5        12      10.3     10.7      91.1
TEACH & RESEARCH                   6         7       6.0      6.3      97.3
COURS-TEACH-RESEARCH               7         3       2.6      2.7     100.0
                                   9         4       3.4   MISSING
                                         -------   -------  -------
                               TOTAL       116     100.0    100.0

MEAN           2.420    MEDIAN        1.000      MODE            1.000
STD DEV        1.809    VARIANCE      3.273      MINIMUM         1.000
MAXIMUM        7.000

VALID CASES      112    MISSING CASES    4

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

LOOKBOTH  LOOK IN BOTH CATALOGS

                                                            VALID       CUM
  VALUE LABEL                   VALUE  FREQUENCY  PERCENT  PERCENT   PERCENT

YES                                1        45      38.8     41.7      41.7
NO                                 2        63      54.3     58.3     100.0
                                   9         8       6.9   MISSING
                                         -------   -------  -------
                               TOTAL       116     100.0    100.0

MEAN           1.583    MEDIAN        2.000      MODE            2.000
STD DEV         .495    VARIANCE       .245      MINIMUM         1.000
MAXIMUM        2.000

VALID CASES      108    MISSING CASES    8
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:17     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:       2.00   CARD

SEX

                                                              VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

FEMALE                                 1         68     58.6     60.7     60.7
MALE                                   2         44     37.9     39.3    100.0
                                       9          4      3.4  MISSING
                                             -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN            1.393     MEDIAN          1.000     MODE              1.000
STD DEV          .491     VARIANCE         .241     MINIMUM           1.000
MAXIMUM         2.000

VALID CASES       112     MISSING CASES     4

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

EDLEVEL   EDUCATION LEVEL

                                                              VALID     CUM
  VALUE LABEL                      VALUE  FREQUENCY  PERCENT  PERCENT  PERCENT

HIGH SCHOOL                            2          1       .9       .9       .9
SOME COLLEGE                           3         36     31.0     31.6     32.5
COLLEGE                                4         77     66.4     67.5    100.0
                                       9          2      1.7  MISSING
                                             -------  -------  -------
                                   TOTAL        116    100.0    100.0

MEAN            3.667     MEDIAN          4.000     MODE              4.000
STD DEV          .492     VARIANCE         .242     MINIMUM           2.000
MAXIMUM         4.000

VALID CASES       114     MISSING CASES     2
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02 NOV 84    FREQUENCIES OF THE NYU STUDY
18:01:31     NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

FILE:
CATTYPE:        2.00   CARD

COMPARE   COMPARISION OF SUCCESS & CAT

                                                                VALID      CUM
 VALUE LABEL                      VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

OLD MORE SUCCESSFUL                   1         10      8.6      11.8      11.8
CARD MORE SUCCESSFUL                  2         49     42.2      57.6      69.4
THEY ARE EQUAL                        3         24     20.7      28.2      97.6
NEITHER SUCCESSFUL                    4          2      1.7       2.4     100.0
                                      9         31     26.7   MISSING
                                           -------  -------   -------
                                  TOTAL        116    100.0     100.0

MEAN          2.212      MEDIAN       2.000       MODE           2.000
STD DEV        .674      VARIANCE      .455       MINIMUM        1.000
MAXIMUM       4.000

VALID CASES      85      MISSING CASES    31

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

AREAWORK  ACADEMIC AREA

                                                                VALID      CUM
 VALUE LABEL                      VALUE  FREQUENCY  PERCENT   PERCENT   PERCENT

ARTS-HUMANITIES                       1         53     45.7      46.5      46.5
PHYSICAL/BIO SCIENCE                  2          4      3.4       3.5      50.0
SOCIAL SCIENCES                       3         20     17.2      17.5      67.5
BUSINESS/MANAGEMENT                   4         10      8.6       8.8      76.3
EDUCATION                             5          2      1.7       1.8      78.1
ENGINEERING                           6          4      3.4       3.5      81.6
MEDICAL/HEALTH                        7          8      6.9       7.0      88.6
LAW                                   8          1       .9        .9      89.5
UNDECLARED                            9          2      1.7       1.8      91.2
INTERDISCIPLINARY                    10         10      8.6       8.8     100.0
                                     99          2      1.7   MISSING
                                           -------  -------   -------
                                  TOTAL        116    100.0     100.0

MEAN          3.307      MEDIAN       2.500       MODE           1.000
STD DEV       2.936      VARIANCE     8.622       MINIMUM        1.000
MAXIMUM      10.000

VALID CASES     114      MISSING CASES     2
```

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Appendix J

NYU Study Success and Satisfaction

```
                  * * *  C R O S S T A B U L A T I O N  * * *

   SUCCESS  (TABULATING     1) WHAT IS CRITERIA FOR SUCCESS?
BY CATTYPE  TYPE OF CATALOG SEARCHED

PAGE  2 OF  2
                           CATTYPE

                     COUNT |BOBCAT   CARD
                   ROW PCT |                     ROW
                   COL PCT |                    TOTAL
                   TAB PCT |     1  |     2  |
SUCCESS           ---------+--------+--------+
                  SUCESS8  |    29  |    27  |     56
    BOOK IS ON THE SHELF   |  51.8  |  48.2  |   18.7
                           |  14.6  |  27.0  |
                           |   9.7  |   9.0  |
                           +--------+--------+
                  SUCESS9  |     1  |     1  |      2
    NO CRITERIA FOR SUCC   |  50.0  |  50.0  |    0.7
                           |   0.5  |   1.0  |
                           |   0.3  |   0.3  |
                           +--------+--------+
                 SUCESS10  |    23  |     4  |     27
    FIND THE NEEDED INFO   |  85.2  |  14.8  |    9.0
                           |  11.6  |   4.0  |
                           |   7.7  |   1.3  |
                           +--------+--------+
                 SUCESS11  |     6  |     2  |      8
    HELPS WITH REASEARCH   |  75.0  |  25.0  |    2.7
                           |   3.0  |   2.0  |
                           |   2.0  |   0.7  |
                           +--------+--------+
                 SUCESS12  |     7  |     1  |      8
    ALL INFO IS IN BOBCA   |  87.5  |  12.5  |    2.7
                           |   3.5  |   1.0  |
                           |   2.3  |   0.3  |
                           +--------+--------+
                 SUCESS13  |     1  |     0  |      1
    IF USE STEP BY STEP    | 100.0  |   0.0  |    0.3
                           |   0.5  |   0.0  |
                           |   0.3  |   0.0  |
                           +--------+--------+
                 SUCESS14  |     2  |     0  |      2
    MISC ATTRIBUTES OF B   | 100.0  |   0.0  |    0.7
                           |   1.0  |   0.0  |
                           |   0.7  |   0.0  |
                           +--------+--------+
                    COLUMN     199      100       299
                     TOTAL    66.6     33.4     100.0

PERCENTS AND TOTALS BASED ON RESPONDENTS

   299 VALID CASES                35 MISSING CASES
```

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26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                              PAGE  18
16:32:01  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2


- - - - - - - - - - - - - - - - - - - - C R O S S T A B U L A T I O N   O F  - - -
     CATTYPE   TYPE OF CATALOG SEARCHED                             BY  Q5FOUND   IN SEARC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


                   Q5FOUND
          COUNT   |
         ROW PCT  |MORE THA ALL LOCK SOME LCO NOTHING    ROW
         COL PCT  |N LOOK F ING FOR  KING FOR LOOKING   TOTAL
         TOT PCT  |      1|       2|       3|       4|
CATTYPE  --------+--------+--------+--------+--------+
              1  |    19  |    57  |    96  |    46  |   218
  BOBCAT         |   8.7  |  26.1  |  44.0  |  21.1  |  65.7
                 |  46.3  |  53.3  |  81.4  |  69.7  |
                 |   5.7  |  17.2  |  28.9  |  13.9  |
                 +--------+--------+--------+--------+
              2  |    22  |    50  |    22  |    20  |   114
  CARD           |  19.3  |  43.9  |  19.3  |  17.5  |  34.3
                 |  53.7  |  46.7  |  18.6  |  30.3  |
                 |   6.6  |  15.1  |   6.6  |   6.0  |
                 +--------+--------+--------+--------+
         COLUMN       41      107      118       66      332
          TOTAL     12.3     32.2     35.5     19.9    100.0


 CHI-SQUARE    D.F.      SIGNIFICANCE       MIN E.F.     CELLS WITH E.F.< 5
 ----------    ----      ------------       --------     ------------------

   27.44106       3         0.0000           14.078         NONE

         STATISTIC                  VALUE           SIGNIFICANCE
         ---------                  -----           ------------

PEARSON'S R                       -0.02406            0.3312

NUMBER OF MISSING OBSERVATIONS =       2
```

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```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                                PAGE  19
16:32:02  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

- - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
   CATTYPE    TYPE OF CATALOG SEARCHED                               BY  Q6SATIS   SATISFAC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                      Q6SATIS
             COUNT   I
            ROW PCT  IVERY SAT SOMEWHT  SOMEW UN VERY UNS   ROW
            COL PCT  IISFACTOR SATISFAC SATISFAC ATISFACT  TOTAL
            TOT PCT  I        1I       2I       3I       4I
CATTYPE     --------+--------+--------+--------+--------+
                  1  I    90  I    68  I    25  I    29  I   212
  BOBCAT             I  42.5  I  32.1  I  11.8  I  13.7  I  64.8
                     I  57.7  I  71.6  I  71.4  I  70.7  I
                     I  27.5  I  20.8  I   7.6  I   8.9  I
                     +--------+--------+--------+--------+
                  2  I    66  I    27  I    10  I    12  I   115
  CARD               I  57.4  I  23.5  I   8.7  I  10.4  I  35.2
                     I  42.3  I  28.4  I  28.6  I  29.3  I
                     I  20.2  I   8.3  I   3.1  I   3.7  I
                     +--------+--------+--------+--------+
             COLUMN      156       95       35       41      327
              TOTAL     47.7     29.1     10.7     12.5    100.0

 CHI-SQUARE    D.F.      SIGNIFICANCE      MIN E.F.     CELLS WITH E.F.< 5
 ----------    ----      ------------      --------     ------------------

   6.67834       3          0.0829          12.309           NONE
        STATISTIC                 VALUE          SIGNIFICANCE
        ---------                 -----          ------------

PEARSON'S R                    -0.01817            0.3717

NUMBER OF MISSING OBSERVATIONS =      7
```

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26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                                   PAGE  20
16:32:02  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

- - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F      - -
    CATTYPE    TYPE OF CATALOG SEARCHED                               BY  Q7EXTRA    CAME ACR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                      Q7EXTRA
             COUNT   |
             ROW PCT |YES       NO          ROW
             COL PCT |                      TOTAL
             TOT PCT |       1|       2|
CATTYPE      --------+--------+--------+
                 1   |    87  |   124  |    211
  BOBCAT             |  41.2  |  58.8  |   65.9
                     |  64.0  |  67.4  |
                     |  27.2  |  38.7  |
                     +--------+--------+
                 2   |    49  |    60  |    109
  CARD               |  45.0  |  55.0  |   34.1
                     |  36.0  |  32.6  |
                     |  15.3  |  18.8  |
                     +--------+--------+
             COLUMN      136      184       320
              TOTAL     42.5     57.5     100.0

 CHI-SQUARE     D.F.       SIGNIFICANCE        MIN E.F.      CELLS WITH E.F.< 5
 ----------     ----       ------------        --------      ------------------

    0.26934        1          0.6038            46.325          NONE
    0.40741        1          0.5233           ( BEFORE YATES CORRECTION )
         STATISTIC                      VALUE          SIGNIFICANCE
         ---------                      -----          ------------

PEARSON'S R                           -0.00356             0.4747

NUMBER OF MISSING OBSERVATIONS =      14
```

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```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                          PAGE  32
16:32:07  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2


- - - - - - - - - - - - - - - - - - - -   C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE    TYPE OF CATALOG SEARCHED                              BY  COMPARE   COMPARIS
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


                       COMPARE
              COUNT   I
             ROW PCT  IOLC MORE CARD MOR THEY ARE NEITHER     ROW
             COL PCT  I SUCCESS E SUCCES  EQUAL    SUCCESSF  TOTAL
             TOT PCT  I       1I       2I       3I       4I
CATTYPE      --------+--------+--------+--------+--------+
                   1  I    88  I    61  I    49  I     5  I    203
  BOBCAT              I  43.3  I  30.0  I  24.1  I   2.5  I   70.5
                      I  89.8  I  55.5  I  67.1  I  71.4  I
                      I  30.6  I  21.2  I  17.0  I   1.7  I
                      +--------+--------+--------+--------+
                   2  I    10  I    49  I    24  I     2  I     85
  CARD                I  11.8  I  57.6  I  28.2  I   2.4  I   29.5
                      I  10.2  I  44.5  I  32.9  I  28.6  I
                      I   3.5  I  17.0  I   8.3  I    .7  I
                      +--------+--------+--------+--------+
              COLUMN       98      110       73        7       288
               TOTAL     34.0     38.2     25.3      2.4     100.0


 CHI-SQUARE      D.F.       SIGNIFICANCE         MIN E.F.      CELLS WITH E.F.< 5
 ----------      ----       ------------         --------      ------------------

   29.91230         3          0.0000               2.066      2 OF      8 ( 25.0%)
          STATISTIC                   VALUE            SIGNIFICANCE
          ---------                   -----            ------------

PEARSON'S R                          0.02522              0.3350

NUMBER OF MISSING OBSERVATIONS =      46
```

```
- - - - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE   TYPE OF CATALOG SEARCHED                                  BY  Q9ATTIT   GENERAL
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                        Q9ATTIT

                COUNT   |
              ROW PCT   |VERY FAV SOMEWHAT SOMEWHAT VERY UNF   ROW
              COL PCT   |ORABLE    FAVORAB  UNFAVOR AVORABLE  TOTAL
              TOT PCT   |       1|       2|       3|       4|
CATTYPE       --------+--------+--------+--------+--------+
                    1   |   137  |    63  |    13  |     3  |   216
  BOBCAT                |  63.4  |  29.2  |   6.0  |   1.4  |  65.3
                        |  66.2  |  63.6  |  68.4  |  50.0  |
                        |  41.4  |  19.0  |   3.9  |    .9  |
                        +--------+--------+--------+--------+
                    2   |    70  |    36  |     6  |     3  |   115
  CARD                  |  60.9  |  31.3  |   5.2  |   2.6  |  34.7
                        |  33.8  |  36.4  |  31.6  |  50.0  |
                        |  21.1  |  10.9  |   1.8  |    .9  |
                        +--------+--------+--------+--------+
               COLUMN       207       99       19        6      331
                TOTAL      62.5     29.9      5.7      1.8    100.0

 CHI-SQUARE     D.F.       SIGNIFICANCE       MIN E.F.      CELLS WITH E.F.< 5
 ----------     ----       ------------       --------      ------------------

   0.89299        3          0.8271             2.085       2 OF      8 ( 25.0%)

            STATISTIC                      VALUE          SIGNIFICANCE
            ---------                      -----          ------------

PEARSON'S R                              0.00411             0.4703

NUMBER OF MISSING OBSERVATIONS =        3
```

```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                                   PAGE  22
16:32:03  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2


- - - - - - - - - - - - - - - - - -   C R O S S T A B U L A T I O N   O F  - - -
   CATTYPE    TYPE OF CATALOG SEARCHED                               BY  Q10COMP   COMAPRED
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


                     Q10COMP
             COUNT  |
           ROW PCT  |BETTER    ABOUT TH WORSE     CANNOT D   ROW
           COL PCT  |          E SAME             ECIDE      TOTAL
           TOT PCT  |       1|       2|       3|       4|
CATTYPE    --------+--------+--------+--------+--------+
                 1  |   131  |    33  |    33  |    14  |   211
  BOBCAT            |  62.1  |  15.6  |  15.6  |   6.6  |  66.6
                    |  73.2  |  64.7  |  78.6  |  31.1  |
                    |  41.3  |  10.4  |  10.4  |   4.4  |
                    +--------+--------+--------+--------+
                 2  |    48  |    18  |     9  |    31  |   106
  CARD              |  45.3  |  17.0  |   8.5  |  29.2  |  33.4
                    |  26.8  |  35.3  |  21.4  |  68.9  |
                    |  15.1  |   5.7  |   2.8  |   9.8  |
                    +--------+--------+--------+--------+
            COLUMN      179       51       42       45      317
             TOTAL     56.5     16.1     13.2     14.2    100.0


 CHI-SQUARE     D.F.        SIGNIFICANCE        MIN E.F.       CELLS WITH E.F.< 5
 ----------     ----        ------------        --------       ------------------

  31.73710        3            0.0000            14.044            NONE
          STATISTIC                     VALUE           SIGNIFICANCE
          ---------                     -----           ------------

PEARSON'S R                            0.03992            0.2394

NUMBER OF MISSING OBSERVATIONS =      17
```

```
- - - - - - - - - - - - - - - - - - - - - - - - C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE    TYPE OF CATALOG SEARCHED                                  BY   Q12COME    HOW OFTE
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                    Q12COME
             COUNT  I
           ROW PCT  IDAILY    WEEKLY    MONTHLY   ABOUT 4X  ABOUT ON  NOT BEFO    ROW
           COL PCT  I                             YEAR      CE YEAR   RE TODAY    TOTAL
           TOT PCT  I       1I       2I       3I       4I       5I       6I
CATTYPE    --------+--------+--------+--------+--------+--------+--------+
                 1  I    48  I   104  I    43  I    16  I     1  I     4  I    216
  BOBCAT            I  22.2  I  48.1  I  19.9  I   7.4  I    .5  I   1.9  I   65.7
                    I  65.8  I  63.4  I  72.9  I  69.6  I  50.0  I  50.0  I
                    I  14.6  I  31.6  I  13.1  I   4.9  I    .3  I   1.2  I
                    +--------+--------+--------+--------+--------+--------+
                 2  I    25  I    60  I    16  I     7  I     1  I     4  I    113
  CARD              I  22.1  I  53.1  I  14.2  I   6.2  I    .9  I   3.5  I   34.3
                    I  34.2  I  36.6  I  27.1  I  30.4  I  50.0  I  50.0  I
                    I   7.6  I  18.2  I   4.9  I   2.1  I    .3  I   1.2  I
                    +--------+--------+--------+--------+--------+--------+
            COLUMN       73      164       59       23        2        8      329
             TOTAL     22.2     49.8     17.9      7.0       .6      2.4    100.0


 CHI-SQUARE     D.F.       SIGNIFICANCE       MIN E.F.       CELLS WITH E.F.< 5
 ----------     ----       ------------       --------       ------------------

   2.97446        5           0.7039            0.687        3 OF     12 ( 25.0%)
          STATISTIC                   VALUE            SIGNIFICANCE
          ---------                   -----            ------------

PEARSON'S R                         -0.00004              0.4997

NUMBER OF MISSING OBSERVATIONS =         5
```

```
- - - - - - - - - - - - - - - - - - - - C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE   TYPE OF CATALOG SEARCHED                          BY  Q13USE     HOW OFTE
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                    Q13USE
            COUNT  |
          ROW PCT  |EVERY VI ALMOST E OCCASSIO RARELY   NOT BEFO  ROW
          COL PCT  |SIT      VERY VIS NALLY             RE TODAY  TOTAL
          TOT PCT  |       1|       2|       3|       4|       5|
CATTYPE   --------+--------+--------+--------+--------+--------+
                1  |    38  |    93  |    58  |    11  |    16  |   216
  BOBCAT           |  17.6  |  43.1  |  26.9  |   5.1  |   7.4  |  65.5
                   |  57.6  |  68.9  |  60.4  |  78.6  |  84.2  |
                   |  11.5  |  28.2  |  17.6  |   3.3  |   4.8  |
                   +--------+--------+--------+--------+--------+
                2  |    28  |    42  |    38  |     3  |     3  |   114
  CARD             |  24.6  |  36.8  |  33.3  |   2.6  |   2.6  |  34.5
                   |  42.4  |  31.1  |  39.6  |  21.4  |  15.8  |
                   |   8.5  |  12.7  |  11.5  |    .9  |    .9  |
                   +--------+--------+--------+--------+--------+
           COLUMN       66      135       96       14       19       330
            TOTAL     20.0     40.9     29.1      4.2      5.8     100.0

  CHI-SQUARE     D.F.      SIGNIFICANCE       MIN E.F.      CELLS WITH E.F.< 5
  ----------     ----      ------------       --------      ------------------

     7.61488       4          0.1067             4.836       1 OF     10 ( 10.0%)

         STATISTIC                    VALUE          SIGNIFICANCE
         ---------                    -----          ------------

PEARSON'S R                       -0.01220             0.4126

NUMBER OF MISSING OBSERVATIONS =       4
```

```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                            PAGE  25
16:32:04  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MCD 11  OS/VS2

- - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
   CATTYPE    TYPE OF CATALOG SEARCHED                         BY  COMPUTER  USE OF C
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                       COMPUTER
               COUNT  |
              ROW PCT |DAILY    WEEKLY   MONTHLY  ABOUT 4X ABOUT ON NEVER       ROW
              COL PCT |                           YEAR     CE YEAR              TOTAL
              TOT PCT |       1|       2|       3|       4|       5|       6|
CATTYPE       --------+--------+--------+--------+--------+--------+--------+
                    1 |    30  |    35  |    22  |    17  |    16  |    97  |   217
  BOBCAT              |  13.8  |  16.1  |  10.1  |   7.8  |   7.4  |  44.7  |  66.6
                      |  78.9  |  71.4  |  64.7  |  58.6  |  64.0  |  64.2  |
                      |   9.2  |  10.7  |   6.7  |   5.2  |   4.9  |  29.8  |
                      +--------+--------+--------+--------+--------+--------+
                    2 |     8  |    14  |    12  |    12  |     9  |    54  |   109
  CARD                |   7.3  |  12.8  |  11.0  |  11.0  |   8.3  |  49.5  |  33.4
                      |  21.1  |  28.6  |  35.3  |  41.4  |  36.0  |  35.8  |
                      |   2.5  |   4.3  |   3.7  |   3.7  |   2.8  |  16.6  |
                      +--------+--------+--------+--------+--------+--------+
               COLUMN      38       49       34       29       25      151      326
                TOTAL    11.7     15.0     10.4      8.9      7.7     46.3    100.0

 CHI-SQUARE    D.F.      SIGNIFICANCE       MIN E.F.      CELLS WITH E.F.< 5
 ----------    ----      ------------       --------      ------------------

   4.45492        5         0.4859             8.359         NONE
           STATISTIC                 VALUE            SIGNIFICANCE
           ---------                 -----            ------------

PEARSON'S R                          0.01207             0.4141

NUMBER OF MISSING OBSERVATIONS =        8
```

```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                           PAGE  26
16:32:04  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

- - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
   CATTYPE   TYPE OF CATALOG SEARCHED                          BY  HEARDOF   HOW FIRS
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                 HEARDOF
          COUNT  |
        ROW PCT  |NOTICE T LIB ORIE WRITTEN  COURSE I FRIEND   LIBRARY   ROW
        COL PCT  |ERMINAL  NTATION  ANNOUNCE NSTRUCTO          STAFF     TOTAL
        TOT PCT  |      1|       2|       3|       4|       5|       6|
CATTYPE  --------+--------+--------+--------+--------+--------+--------+
              1  |   145  |    13  |    20  |     8  |    23  |     5  |   214
  BOBCAT         |  67.8  |   6.1  |   9.3  |   3.7  |  10.7  |   2.3  |  66.7
                 |  67.1  |  72.2  |  62.5  |  66.7  |  71.9  |  45.5  |
                 |  45.2  |   4.0  |   6.2  |   2.5  |   7.2  |   1.6  |
                 +--------+--------+--------+--------+--------+--------+
              2  |    71  |     5  |    12  |     4  |     9  |     6  |   107
  CARD           |  66.4  |   4.7  |  11.2  |   3.7  |   8.4  |   5.6  |  33.3
                 |  32.9  |  27.8  |  37.5  |  33.3  |  28.1  |  54.5  |
                 |  22.1  |   1.6  |   3.7  |   1.2  |   2.8  |   1.9  |
                 +--------+--------+--------+--------+--------+--------+
         COLUMN     216       18       32       12       32       11       321
          TOTAL     67.3      5.6     10.0      3.7     10.0      3.4     100.0

 CHI-SQUARE    D.F.     SIGNIFICANCE        MIN E.F.     CELLS WITH E.F.< 5
 ----------    ----     ------------        --------     ------------------

   3.13873      5         0.6786              3.667      2 OF    12 ( 16.7%)

     STATISTIC                    VALUE           SIGNIFICANCE
     ---------                    -----           ------------

PEARSON'S R                      0.00594            0.4578

NUMBER OF MISSING OBSERVATIONS =      13
```

```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                              PAGE  27
16:32:04  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

- - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE    TYPE OF CATALOG SEARCHED                          BY  AGEGRP    AGE GROU
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                     AGEGRP
            COUNT   |
            ROW PCT |15-19 YE 20-24 YE 25-34 YE 35-44 YE 45-54 YE 55-64 YE OVER 65
            COL PCT |ARS      ARS      ARS      ARS      ARS      ARS      YEARS
            TOT PCT |       2|       3|       4|       5|       6|       7|
CATTYPE     --------+--------+--------+--------+--------+--------+--------+--------
                 1  |    43  |    82  |    51  |    26  |    12  |     1  |     1
  BOBCAT            |  19.9  |  38.0  |  23.6  |  12.0  |   5.6  |    .5  |    .5
                    |  71.7  |  67.8  |  60.7  |  61.9  |  70.6  |  20.0  | 100.0
                    |  13.0  |  24.8  |  15.5  |   7.9  |   3.6  |    .3  |    .3
                    +--------+--------+--------+--------+--------+--------+--------
                 2  |    17  |    39  |    33  |    16  |     5  |     4  |
  CARD              |  14.9  |  34.2  |  28.9  |  14.0  |   4.4  |   3.5  |
                    |  28.3  |  32.2  |  39.3  |  38.1  |  29.4  |  80.0  |
                    |   5.2  |  11.8  |  10.0  |   4.8  |   1.5  |   1.2  |
                    +--------+--------+--------+--------+--------+--------+--------
            COLUMN        60      121       84       42       17        5        1
             TOTAL      18.2     36.7     25.5     12.7      5.2      1.5       .3

 CHI-SQUARE     D.F.       SIGNIFICANCE        MIN E.F.     CELLS WITH E.F.< 5
 ----------     ----       ------------        --------     ------------------

   7.67398         6          0.2630              0.345      4 OF    14 ( 28.6%)

         STATISTIC                  VALUE          SIGNIFICANCE
         ---------                  -----          ------------

PEARSON'S R                        0.00874            0.4372

NUMBER OF MISSING OBSERVATIONS =       4
```

```
- - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE   TYPE OF CATALOG SEARCHED                           BY  SEX
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                       SEX
               COUNT  I
             ROW PCT  IFEMALE    MALE         ROW
             COL PCT  I                       TOTAL
             TOT PCT  I       1I        2I
CATTYPE      --------+--------+--------+
                   1  I   108  I   106  I   214
  BOBCAT              I  50.5  I  49.5  I  65.6
                      I  61.4  I  70.7  I
                      I  33.1  I  32.5  I
                      +--------+--------+
                   2  I    68  I    44  I   112
  CARD                I  60.7  I  39.3  I  34.4
                      I  38.6  I  29.3  I
                      I  20.9  I  13.5  I
                      +--------+--------+
              COLUMN      176       150       326
               TOTAL     54.0      46.0     100.0

 CHI-SQUARE     D.F.       SIGNIFICANCE        MIN E.F.      CELLS WITH E.F.< 5
 ----------     ----       ------------        --------      ------------------

    2.70888       1           0.0998            51.534          NONE
    3.10770       1           0.0779          ( BEFORE YATES CORRECTION )
          STATISTIC                     VALUE          SIGNIFICANCE
          ---------                     -----          ------------

PEARSON'S R                          -0.01051             0.4250

NUMBER OF MISSING OBSERVATIONS =        8
```

```
- - - - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
    CATTYPE    TYPE OF CATALOG SEARCHED                                BY  EDLEVEL   EDUCATIO
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


                   EDLEVEL
           COUNT  I
          ROW PCT IGRADE SC HIGH SCH SOME COL COLLEGE    ROW
          COL PCT IHOOL     OOL      LEGE               TOTAL
          TOT PCT I       1I       2I       3I       4I
CATTYPE   --------+--------+--------+--------+--------+
               1  I     2  I     4  I    93  I   118  I   217
  BOBCAT          I    .9  I   1.8  I  42.9  I  54.4  I  65.6
                  I 100.0  I  80.0  I  72.1  I  60.5  I
                  I    .6  I   1.2  I  28.1  I  35.6  I
                  +--------+--------+--------+--------+
               2  I        I     1  I    36  I    77  I   114
  CARD            I        I    .9  I  31.6  I  67.5  I  34.4
                  I        I  20.0  I  27.9  I  39.5  I
                  I        I    .3  I  10.9  I  23.3  I
                  +--------+--------+--------+--------+
           COLUMN        2        5      129      195     331
            TOTAL       .6      1.5     39.0     58.9   100.0


 CHI-SQUARE     D.F.       SIGNIFICANCE        MIN E.F.      CELLS WITH E.F.< 5
 ----------     ----       ------------        --------      ------------------

    6.15080        3          0.1045              0.689      4 OF       8 ( 50.0%)
           STATISTIC                  VALUE            SIGNIFICANCE
           ---------                  -----            ------------

PEARSON'S R                          0.00702              0.4494

NUMBER OF MISSING OBSERVATIONS =        3
```

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```
26 NOV 84 NYU STUDY FREQUENCIES BY CATALOG TYPE                           PAGE  31
16:32:07  NEW YORK UNIVERSITY -- A.C.F.  IBM 4341 MOD 11  OS/VS2

- - - - - - - - - - - - - - - - - - - - -  C R O S S T A B U L A T I O N   O F  - - -
   CATTYPE    TYPE OF CATALOG SEARCHED                            BY  LOOKBOTH  LOOK IN
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                    LOOKBOTH
          COUNT   |
          ROW PCT |YES       NO        ROW
          COL PCT |                    TOTAL
          TOT PCT |       1|       2|
CATTYPE   --------+--------+--------+
              1   |   129  |    78  |   207
  BOBCAT          |  62.3  |  37.7  |  65.7
                  |  74.1  |  55.3  |
                  |  41.0  |  24.8  |
                  +--------+--------+
              2   |    45  |    63  |   108
  CARD            |  41.7  |  58.3  |  34.3
                  |  25.9  |  44.7  |
                  |  14.3  |  20.0  |
                  +--------+--------+
           COLUMN     174      141      315
            TOTAL    55.2     44.8    100.0

 CHI-SQUARE     D.F.       SIGNIFICANCE        MIN E.F.      CELLS WITH E.F.< 5
 ----------     ----       ------------        --------      ------------------

   11.42142       1           0.0007            48.343           NONE
   12.24244       1           0.0005           ( BEFORE YATES CORRECTION )
        STATISTIC                         VALUE          SIGNIFICANCE
        ---------                         -----          ------------

PEARSON'S R                              0.02134            0.3530

NUMBER OF MISSING OBSERVATIONS =      19
```

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